FAMC هايپرمنعت

3RU2116-0KB0

Data sheet



Overload relay 0.90...1.25 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	ау
product type designation		3RU2	
General technical data			
size of overload relay		S00	
size of contactor can be combined company-s	-	S00	
power loss [W] for rated value of the current at A0 operating state	C in hot	5.7 W	
per pole		1.9 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
 during transport 		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	0.9 1.25 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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				FAMC پرمنعت	'n
operational current rated value		1.25 A			
operational current at AC-3e at 400 V rated value		1.25 A			
operating power				يرصنعت	מוב
• at AC-3				- ;	
— at 400 V rated value		0.37 kW			
— at 500 V rated value		0.55 kW			
— at 690 V rated value		0.75 kW			
• at AC-3e					
— at 400 V rated value		0.37 kW			
— at 500 V rated value		0.55 kW			
— at 690 V rated value		0.75 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
note		for message "Trippe	d"		
number of CO contacts for auxiliary contacts		0	u		
	46	0			
operational current of auxiliary contacts at AC • at 24 V	-13	2.4			
		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13				
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		1.25 A			
 at 600 V rated value 		1.25 A			
Short-circuit protection					
design of the fuse link					-
 for short-circuit protection of the auxiliary sy 	vitob	fuen aC: 6 A quick:	10.0		
required	VILCII	fuse gG: 6 A, quick:	IUA		
Installation/ mounting/ dimensions					
					-
mounting position		any Contactor mounting			
fastening method		Contactor mounting			
height		76 mm			
width		45 mm			
depth		70 mm			
Connections/ Terminals					
product component removable terminal for au	xiliary	No			
and control circuit					
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit	·	screw-type terminal	5		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections					
for main contacts	,				
solid or stranded		$2x (0.5 + 1.5 mm^2)$	2x (0,75 2,5 mm²), 2x 4	mm ²	
		2^ (0,5 1,5 mm ⁻),	ZA (0,70 2,0 mm), ZX 4		
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 E-mail: info@famcocorp.com 	🚺 Tel	:071- ۴ ۸ 0 0 0 6 9	گراه لشگری (جاده مخصوص کرج)	تهران ، کیلومتر ۲۱ بزرڈ	
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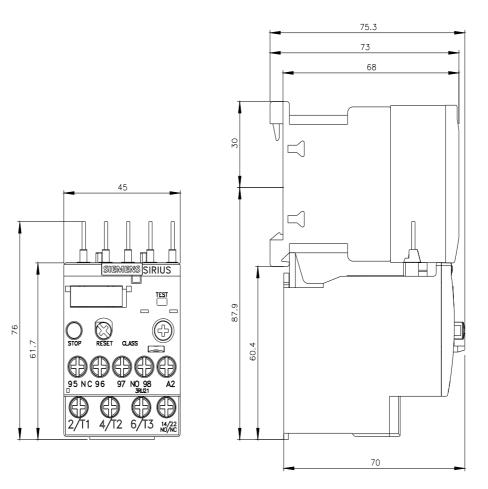
— finely stranded with core e		2x (0.5 1.5 mm²), 2x (0.75	2.5 mm²)	یپ رصنعت	Ċ
at AWG cables for main contact		2x (20 16), 2x (18 14), 2	x 12	പരവരപ	مار
type of connectable conductor cro	ss-sections			,	
 for auxiliary contacts 	,	$2x (0 = 1 = mm^2) 2x (0 = 7 = 1)$	$O = mm^2$		
 — solid or stranded — finely stranded with core e 		2x (0.5 1.5 mm ²), 2x (0.75 2x (0.5 1.5 mm ²), 2x (0.75			
 at AWG cables for auxiliary cor 		2x (0.5 1.5 mm ⁻), 2x (0.75 2x (20 16), 2x (18 14)	2.5 mm²)		
tightening torque		2X (20 10), 2X (10 14)			
 for main contacts with screw-ty 	ne terminals	0.8 1.2 N·m			
 for auxiliary contacts with screw-ty 		0.8 1.2 N·m			
design of screwdriver shaft		Diameter 5 6 mm			
size of the screwdriver tip		Pozidriv PZ 2			
design of the thread of the connec					
for main contacts		M3			
 of the auxiliary and control cont 		M3			
Safety related data					
failure rate [FIT] with low demand rate 31920	e according to SN	50 FIT			
MTTF with high demand rate		2 280 y			
T1 value for proof test interval or serv IEC 61508		20 y			
protection class IP on the front acc 60529	cording to IEC	IP20			
touch protection on the front according to th	rding to IEC 60529	finger-safe, for vertical conta	ct from the front		
display version for switching status		Slide switch			
Certificates/ approvals					
	<u>Confirmation</u>	U L	EAC	OUS locations	
For use in hazard- ous locations	of Conformity	Test Certificates		Marine / Shipping	
EG-Konf.	UK CA	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping					
	Lloyds Kegister us	PRS	RINA	RMRS	
other Railway					
Confirmation Vibration and	<u>Shock</u>				

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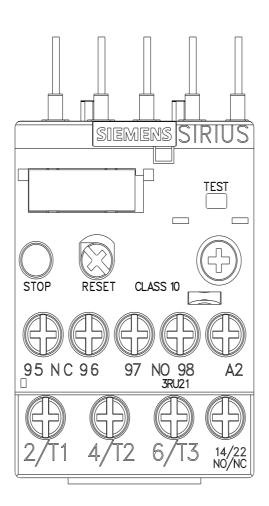


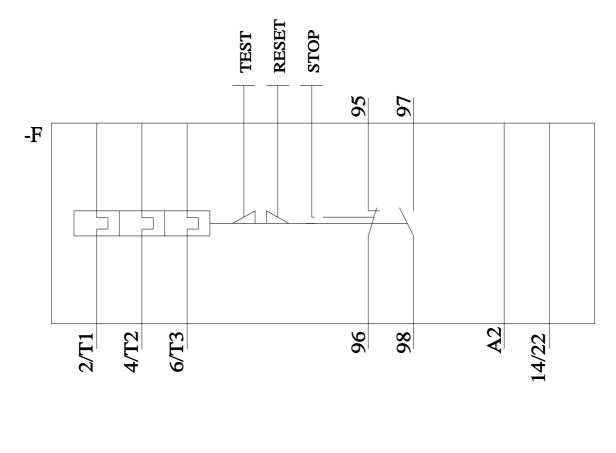
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Data sheet

FAMC هايپرمنعت

3RU2116-1CB0



Overload relay 1.8...2.5 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

needuct brond name	0		
product brand name		IRIUS	lov
product designation		ermal overload rel	lay
product type designation	3	RU2	
General technical data			
size of overload relay		00	
size of contactor can be combined company-s	-	00	
power loss [W] for rated value of the current at AC operating state		7 W	
• per pole		9 W	
insulation voltage with degree of pollution 3 at AC value	rated 6	90 V	
surge voltage resistance rated value	6	kV	
maximum permissible voltage for protective separation in networks with grounded star poi	nt		
 between auxiliary and auxiliary circuit 	4	40 V	
 between auxiliary and auxiliary circuit 	4	40 V	
 between main and auxiliary circuit 	4	40 V	
 between main and auxiliary circuit 	4.	40 V	
shock resistance according to IEC 60068-2-27	8	g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	E	x II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	e D	MT 98 ATEX G 00	01
reference code according to IEC 81346-2	F		
Substance Prohibitance (Date)	1	0/01/2009	
Ambient conditions			
installation altitude at height above sea level maxi	mum 2	000 m	
ambient temperature			
 during operation 	-4	0 +70 °C	
 during storage 	-5	5 +80 °C	
during transport	-5	5 +80 °C	
temperature compensation	-4	0 +60 °C	
relative humidity during operation	1	0 95 %	
Main circuit			
number of poles for main current circuit	3		
adjustable current response value current of t current-dependent overload release	ne 1.	8 2.5 A	
operating voltage			
 rated value 	6	90 V	
 at AC-3e rated value maximum 	6	90 V	
operating frequency rated value	5	0 60 Hz	
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				FAMC پرمنعت	'n
operational current rated value		2.5 A			U
operational current at AC-3e at 400 V rated value		2.5 A			
operating power	·			يرمنعت	ھاپ
• at AC-3					••
— at 400 V rated value		0.75 kW			
— at 500 V rated value		1.1 kW			
— at 690 V rated value		1.5 kW			
• at AC-3e					
— at 400 V rated value		0.75 kW			
— at 500 V rated value		1.1 kW			
— at 690 V rated value		1.5 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1	needon		
note		for message "Trippe	d"		
number of CO contacts for auxiliary contacts		0	u		
	-15	0			
 operational current of auxiliary contacts at AC at 24 V 	-10	3 A			
● at 24 V ● at 110 V		3 A 3 A			
		3 A 3 A			
• at 120 V					
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	5-13	0.4			
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
 at 480 V rated value 		2.5 A			
• at 600 V rated value		2.5 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary sy required 	witch	fuse gG: 6 A, quick:	10 A		
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		76 mm			
width		45 mm			
depth		70 mm			
Connections/ Terminals					
product component removable terminal for au	wiliany	No			
and control circuit	ianai y				
type of electrical connection					
for main current circuit		screw-type terminal	5		
 for auxiliary and control circuit 		screw-type terminal			
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	>				
 for main contacts — solid or stranded 		2x (0,5 1,5 mm²),	2x (0,75 2,5 mm²), 2x 4	mm²	
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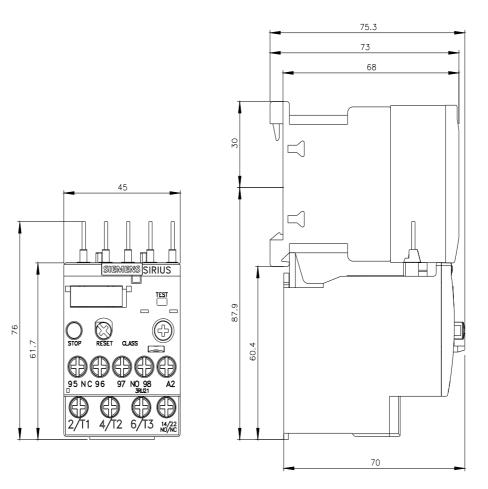
 finely stranded with core end processing at AWG cables for main contacts 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	FAMC هاييـرصنعت
type of connectable conductor cross-sections o for auxiliary contacts — solid or stranded — finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)	ھايپرصىغت
at AWG cables for auxiliary contacts tightening torque	2x (20 16), 2x (18 14)	
for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals design of screwdriver shaft	0.8 1.2 N·m 0.8 1.2 N·m Diameter 5 6 mm	
size of the screwdriver tip design of the thread of the connection screw	Pozidriv PZ 2	
for main contacts of the auxiliary and control contacts Safety related data	M3 M3	
failure rate [FIT] with low demand rate according to SN 31920 MTTF with high demand rate	50 FIT 2 280 y	
T1 value for proof test interval or service life according to IEC 61508	20 у	
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	IP20 finger-safe, for vertical contact from the front	
Display display version for switching status Certificates/ approvals	Slide switch	
General Product Approval		For use in hazard- ous locations
Confirmation CSA	the second seco	IECEx
For use in hazard- ous locations Declaration of Conformity	Test Certificates	Marine / Shipping
EG-Konf.	Special Test Certific- Type Test Certific ate ates/Test Report	
Marine / Shipping		
BUREAU VERITAS	PRS RINA	RMRS
other Railway		
Confirmation Vibration and Shock		

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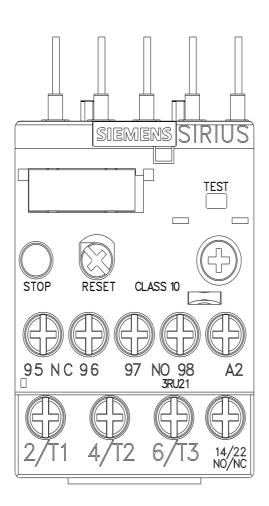


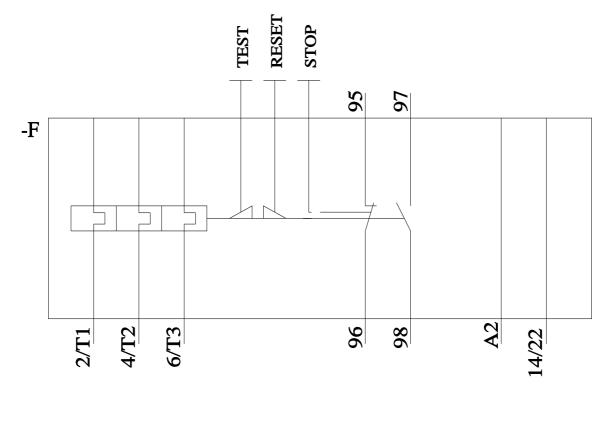
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Data sheet

FAMC هايپرمنعت

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Overload relay 2.2...3.2 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload re	lay
product type designation		3RU2	
General technical data			
size of overload relay		S00	
size of contactor can be combined company-s	specific	S00	
power loss [W] for rated value of the current at AC operating state	C in hot	5.7 W	
• per pole		1.9 W	
insulation voltage with degree of pollution 3 at AC value	rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star poi	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
between main and auxiliary circuit		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	'e	DMT 98 ATEX G 00	01
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
during transport		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	2.2 3.2 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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	ка па	A 19 FT - FF 11 F7 FF	روبـروی یالایشگاه نفت یارس، یلاک ۱۲

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	3.2 A 3.2 A ایپ رصنعت
operational current rated value	3.2 A
operational current at AC-3e at 400 V rated value	3.2 A
operating power	ى پېر صنعت
• at AC-3	- with
— at 400 V rated value	1.1 kW
— at 500 V rated value	1.5 kW
— at 690 V rated value	2.2 kW
• at AC-3e	
— at 400 V rated value	1.1 kW
— at 500 V rated value	1.5 kW
— at 690 V rated value	2.2 kW
	Z.Z KVV
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
• note	for contactor disconnection
number of NO contacts for auxiliary contacts	1
• note	for message "Tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 110 V	3 A
• at 120 V	3 A
• at 125 V	3 A
• at 230 V	2 A
• at 400 V	1 A
operational current of auxiliary contacts at DC-13	
• at 24 V	2 A
• at 60 V	0.3 A
• at 110 V	0.22 A
• at 125 V	0.22 A
• at 220 V	0.11 A
contact rating of auxiliary contacts according to UL	B600 / R300
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
JL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	3.2 A
• at 600 V rated value	3.2 A
	0.2 A
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the auxiliary switch 	fuse gG: 6 A, quick: 10 A
required	
•	
•	
•	any
nstallation/ mounting/ dimensions	any Contactor mounting
nstallation/ mounting/ dimensions mounting position	
nstallation/ mounting/ dimensions mounting position fastening method	Contactor mounting
nstallation/ mounting/ dimensions mounting position fastening method height	Contactor mounting 76 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth	Contactor mounting 76 mm 45 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals	Contactor mounting 76 mm 45 mm 70 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth	Contactor mounting 76 mm 45 mm 70 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit	Contactor mounting 76 mm 45 mm 70 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	Contactor mounting 76 mm 45 mm 70 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	Contactor mounting 76 mm 45 mm 70 mm
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit	Contactor mounting 76 mm 45 mm 70 mm y No screw-type terminals screw-type terminals
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	Contactor mounting 76 mm 45 mm 70 mm y No screw-type terminals screw-type terminals
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit	Contactor mounting 76 mm 45 mm 70 mm y No screw-type terminals screw-type terminals
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	Contactor mounting 76 mm 45 mm 70 mm v No screw-type terminals screw-type terminals
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Contactor mounting 76 mm 45 mm 70 mm v No screw-type terminals screw-type terminals Top and bottom
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	Contactor mounting 76 mm 45 mm 70 mm v No screw-type terminals screw-type terminals
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded	Contactor mounting 76 mm 45 mm 70 mm y No screw-type terminals screw-type terminals screw-type terminals 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²), 2x 4 mm ²
nstallation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded © w w w famcocorp.com	Contactor mounting 76 mm 45 mm 70 mm v No screw-type terminals screw-type terminals Top and bottom

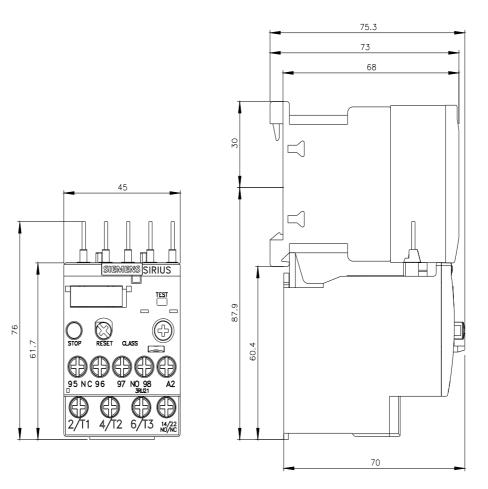
 finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	۲۹۹۹۵ هاييـرمىنعت
for auxiliary contacts		
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)	
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)	
tightening torque		
for main contacts with screw-type terminals	0.8 1.2 N·m	
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m	
design of screwdriver shaft	Diameter 5 6 mm	
size of the screwdriver tip	Pozidriv PZ 2	
design of the thread of the connection screw		
 for main contacts 	M3	
 of the auxiliary and control contacts 	M3	
Safety related data		
failure rate [FIT] with low demand rate according to SN 31920	50 FIT	
MTTF with high demand rate	2 280 y	
T1 value for proof test interval or service life according to IEC 61508	20 у	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the fro	Int
display version for switching status	Slide switch	
Certificates/ approvals		
Confirmation CCC		IECEx
For use in hazard- ous locations Declaration of Conformity	Test Certificates	Marine / Shipping
EG-Konf.	Special Test Certific- Type Test C ate ates/Test F	<u>Seport</u>
Marine / Shipping		
BUREAU VERITAS	PRS RINA	• Contraction Cont
other Railway		
Confirmation Vibration and Shock		

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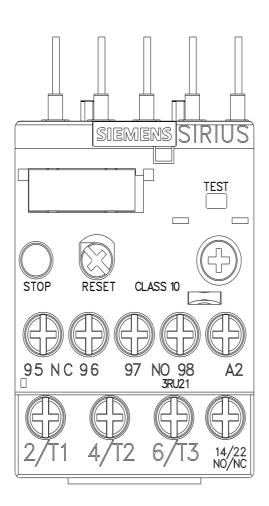


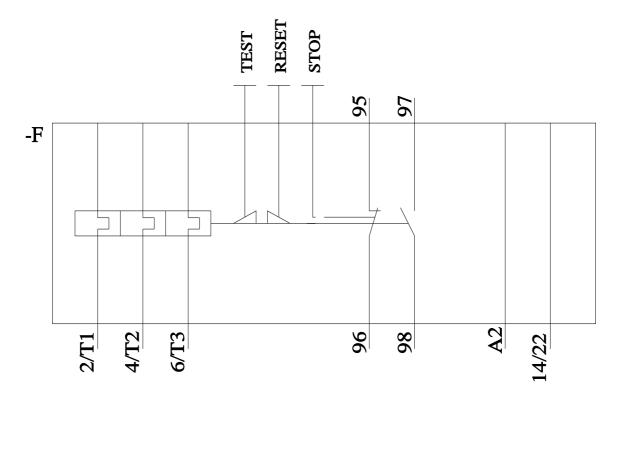
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Data sheet

FAMCهايپرمىنعت

3RU2116-1FB0



Overload relay 3.5...5.0 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name	SIRIUS	
product designation	thermal overload relay	,
product type designation	3RU2	
General technical data		
size of overload relay	S00	
size of contactor can be combined company-specific		
power loss [W] for rated value of the current at AC in hot operating state	6.6 W	
• per pole	2.2 W	
insulation voltage with degree of pollution 3 at AC rated value	690 V	
surge voltage resistance rated value	6 kV	
maximum permissible voltage for protective separation in networks with grounded star point		
 between auxiliary and auxiliary circuit 	440 V	
 between auxiliary and auxiliary circuit 	440 V	
 between main and auxiliary circuit 	440 V	
 between main and auxiliary circuit 	440 V	
shock resistance according to IEC 60068-2-27	8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD	
certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001	
reference code according to IEC 81346-2	F	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-40 +70 °C	
 during storage 	-55 +80 °C	
during transport	-55 +80 °C	
temperature compensation	-40 +60 °C	
relative humidity during operation	10 95 %	
Main circuit		
number of poles for main current circuit	3	
adjustable current response value current of the current-dependent overload release	3.5 5 A	
operating voltage		
 rated value 	690 V	
 at AC-3e rated value maximum 	690 V	
operating frequency rated value	50 60 Hz	
	🚺 Tel:01- ۴ ۸ 0 0 0 ۴ ۹	تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرچ)
E-mail: info@famcocorp.com	🗇 Fax:01 - ۴۴۹۹۴۶۴۲	روبروی پالایشگاه نفت پارس، پلاک ۱۲

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				FAM) پرمنعت	'rh
operational current rated value		5 A			J.J.
operational current at AC-3e at 400 V rated value		5 A			
operating power				يرصنعت	يھ
• at AC-3				- •	
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		4 kW			
• at AC-3e					
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		4 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1	needon		
note		for message "Trippe	vd"		
number of CO contacts for auxiliary contacts		0	u .		
	5	0			
operational current of auxiliary contacts at AC-1 • at 24 V	J	3 A			
• at 24 v • at 110 V		3 A 3 A			
• at 120 V		3 A			
• at 125 V • at 125 V		3 A 3 A			
• at 125 V • at 230 V		3 A 2 A			
• at 230 V • at 400 V		2 A 1 A			
• at 400 V operational current of auxiliary contacts at DC-1	13				
• at 24 V	5	2 A			
• at 24 v • at 60 V		2 A 0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A 0.22 A			
• at 125 V • at 220 V		0.22 A 0.11 A			
at 220 V contact rating of auxiliary contacts according to		B600 / R300			
Protective and monitoring functions	, UL	1000 / N300			
		CLASS 10			-
trip class design of the overload release		thermal			
JL/CSA ratings		arcinia			
full-load current (FLA) for 3-phase AC motor					
at 480 V rated value		5 A			
• at 600 V rated value		5 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary swit required 	tch	fuse gG: 6 A, quick:	10 A		
required					
nstallation/ mounting/ dimensions					-
mounting position		any			
fastening method		Contactor mounting			
height		76 mm			
width		45 mm			
depth		70 mm			
Connections/ Terminals					
product component removable terminal for auxi	iliary	No			
and control circuit					
type of electrical connection					
• for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	8		
arrangement of electrical connectors for main c circuit	urrent	Top and bottom			
type of connectable conductor cross-sections					
for main contacts					
		$2x(0.5 + 1.5 mm^2)$	2x (0,75 2,5 mm²), 2x 4	mm ²	
- solid or stranded			ZA (0,10 Z,0 IIIII ⁻), ZX 4	111111	
— solid or stranded		2x (0,0 1,0 mm),			
— solid or stranded				e us au le la com	
		۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹ (۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹	راه لشگری (جاده مخصوص کرچ)	تهران ، کیلومتر ۲۱ بزرگ روبـروی پالایشگاه ن	

• at AWG cables	nded with core end proc for main contacts conductor cross-sect		2x (0.5 1.5 mm²), 2x (0.75 2x (20 16), 2x (18 14), 2	2.5 mm²) 2x 12	FAMC پرمنعت	ل <mark>ل</mark> ھاي
 for auxiliary con 	itacts				•	
— solid or str			2x (0.5 1.5 mm²), 2x (0.75			
-	ided with core end proc	essing	2x (0.5 1.5 mm ²), 2x (0.75	2.5 mm²)		
	for auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque	ts with screw-type term	inale	0.8 1.2 N⋅m			
	tacts with screw-type term		0.8 1.2 N·m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
	of the connection sci	.ew				
 for main contact 	ts		M3			
 of the auxiliary a 	and control contacts		M3			
Safety related data						
	ow demand rate accord	ling to SN	50 FIT			
31920			0.000			
MTTF with high dem T1 value for proof test IEC 61508	and rate t interval or service life	according to	2 280 y 20 y			
protection class IP c 60529	on the front according	to IEC	IP20			
touch protection on	the front according to	IEC 60529	finger-safe, for vertical conta	ct from the front		
Display						
display version for sw	itching status		Slide switch			
Certificates/ approval	S					
General Product Ap	proval				For use in hazard- ous locations	
		Confirmatic		EHC	Ex ATEX	
For use in hazard- ous locations	Declaration of Conf	ormity	Test Certificates		Marine / Shipping	
IECEX	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific ates/Test Report	ABS	
Marine / Shipping						
B U REAU VERITAS		Lloyds Register uis	PRS	RINA	RMRS	
other	Railway					
Confirmation	Vibration and Shock					

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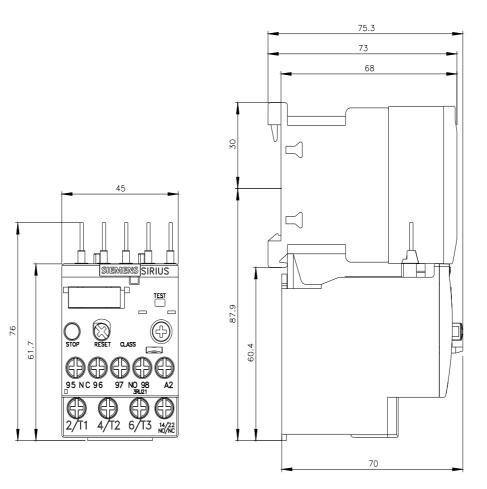
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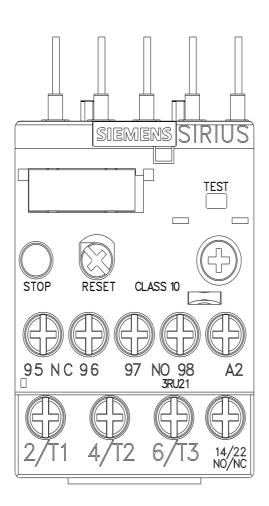


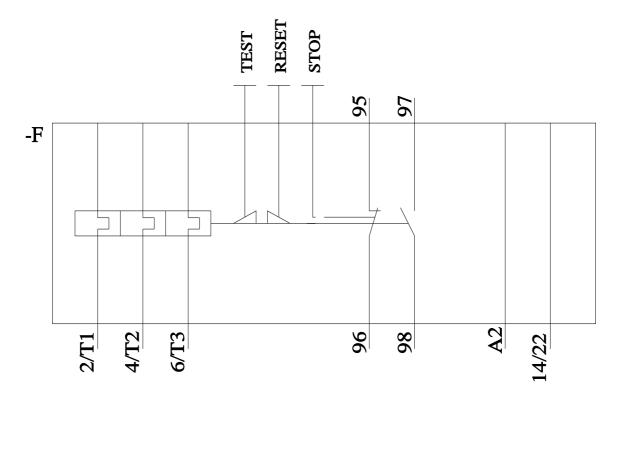
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Data sheet

FAMC هايپرمنعت

3RU2116-1GB0



Overload relay 4.5...6.3 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

124/14	
product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	S00
size of contactor can be combined company-spec	sific S00
power loss [W] for rated value of the current at AC in operating state	hot 6.6 W
• per pole	2.2 W
insulation voltage with degree of pollution 3 at AC rate value	ed 690 V
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation in networks with grounded star point	
 between auxiliary and auxiliary circuit 	440 V
 between auxiliary and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
shock resistance according to IEC 60068-2-27	8g / 11 ms
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	m 2 000 m
ambient temperature	
 during operation 	-40 +70 °C
 during storage 	-55 +80 °C
during transport	-55 +80 °C
temperature compensation	-40 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	4.5 6.3 A
operating voltage	
rated value	690 V
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
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				FAMC پرمنعت	'ch
onerational current rated value		6.3 A			J
operational current rated value operational current at AC-3e at 400 V rated value		6.3 A			
operating power		0.5 A		ىرمىنىت	ھات
• at AC-3					•••
— at 400 V rated value		2.2 kW			
— at 500 V rated value		3 kW			
— at 690 V rated value		4 kW			
• at AC-3e					
— at 400 V rated value		2.2 kW			
— at 500 V rated value		3 kW			
— at 690 V rated value		4 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13				
• at 24 V		2 A			
● at 60 V ● at 110 V		0.3 A 0.22 A			
• at 125 V		0.22 A 0.22 A			
• at 125 V • at 220 V		0.22 A 0.11 A			
contact rating of auxiliary contacts according	to III	B600 / R300			
Protective and monitoring functions		D00071(000			
trip class		CLASS 10			-
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
at 480 V rated value		6.3 A			
 at 600 V rated value 		6.3 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary sy 	vitch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		76 mm			
width		45 mm			
depth		70 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	xiliary	No			
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit	611875 m ⁴	screw-type terminal	5		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	;				
for main contacts					
— solid or stranded		2x (0,5 1,5 mm²).	2x (0,75 2,5 mm²), 2x 4	mm²	
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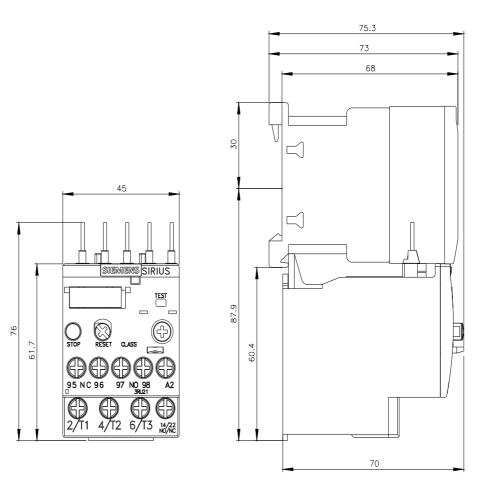
finally stranded with some and processing		عايي رصنع
 finely stranded with core end processing at AWG cables for main contacts 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14), 2x 12	
type of connectable conductor cross-sections		ھاپيرمىيە
 for auxiliary contacts 		••••
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
tightening torque		
 for main contacts with screw-type terminals 	0.8 1.2 N·m	
for auxiliary contacts with screw-type terminals	0.8 1.2 N·m	
design of screwdriver shaft	Diameter 5 6 mm Pozidriv PZ 2	
size of the screwdriver tip design of the thread of the connection screw		
• for main contacts	M3	
 of the auxiliary and control contacts 	M3	
Safety related data	INIO	
failure rate [FIT] with low demand rate according to SN 31920	50 FIT	
MTTF with high demand rate	2 280 y	
T1 value for proof test interval or service life according to IEC 61508	20 y	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the front	
display version for switching status	Slide switch	
Certificates/ approvals		
General Product Approval	ous	ILECEX
For use in hazard-		
ous locations Declaration of Conformity	Test Certificates Mar	rine / Shipping
Declaration of Contormity		rine / Shipping
ous locations		rine / Shipping
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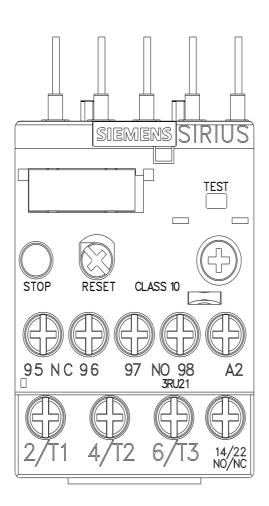
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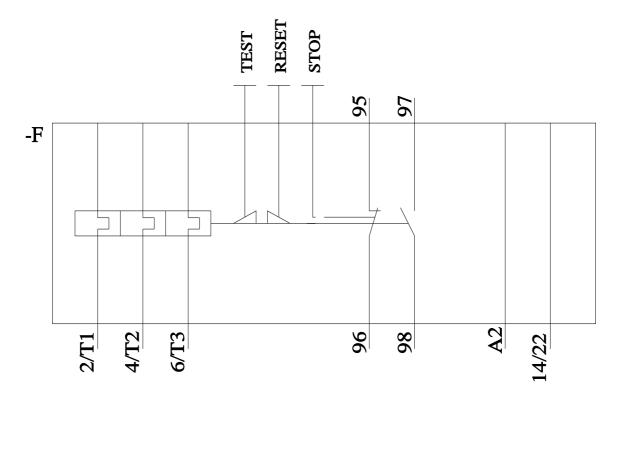
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Data sheet

FAMC هايپرمنعت

3RU2116-1HB0



Overload relay 5.5...8.0 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

HUNC	
product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	S00
size of contactor can be combined company-spe	cific S00
power loss [W] for rated value of the current at AC in operating state	hot 6.6 W
• per pole	2.2 W
insulation voltage with degree of pollution 3 at AC rat value	ted 690 V
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation in networks with grounded star point	
 between auxiliary and auxiliary circuit 	440 V
 between auxiliary and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
shock resistance according to IEC 60068-2-27	8g / 11 ms
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximu	um 2 000 m
ambient temperature	
 during operation 	-40 +70 °C
 during storage 	-55 +80 °C
during transport	-55 +80 °C
temperature compensation	-40 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	5.5 8 A
operating voltage	
rated value	690 V
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
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				FAMC هاييـرصنعت
exercise of any and and a second		9.4		
operational current rated value		8 A		
operational current at AC-3e at 400 V rated value		8 A		هابيرصنعت
operating power • at AC-3				*
 ■ at 400 V rated value 		3 kW		
— at 500 V rated value		4 kW		
— at 690 V rated value		5.5 kW		
• at AC-3e		0.0 KW		
— at 400 V rated value		3 kW		
— at 500 V rated value		4 kW		
— at 690 V rated value		5.5 kW		
Auxiliary circuit		0.0 101		
design of the auxiliary switch		integrated		
number of NC contacts for auxiliary contacts		1		
note		for contactor discon	nection	
number of NO contacts for auxiliary contacts		1		
note		for message "Trippe	d"	
number of CO contacts for auxiliary contacts		0		
operational current of auxiliary contacts at AC	-15	°		
• at 24 V		3 A		
• at 110 V		3 A		
• at 120 V		3 A		
• at 125 V		3 A		
• at 230 V		2 A		
• at 400 V		1 A		
operational current of auxiliary contacts at DC	-13			
• at 24 V		2 A		
● at 60 V		0.3 A		
● at 110 V		0.22 A		
• at 125 V		0.22 A		
• at 220 V		0.11 A		
contact rating of auxiliary contacts according	to UL	B600 / R300		
Protective and monitoring functions				
trip class		CLASS 10		
design of the overload release		thermal		
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
at 480 V rated value		8 A		
 at 600 V rated value 		8 A		
Short-circuit protection				
design of the fuse link				
 for short-circuit protection of the auxiliary sy 	vitch	fuse gG: 6 A, quick:	10 A	
required				
Installation/ mounting/ dimensions				
mounting position		any		
fastening method		Contactor mounting		
height		76 mm		
width		45 mm		
depth		70 mm		
Connections/ Terminals				
product component removable terminal for au	xiliary	No		
and control circuit	-			
type of electrical connection				
 for main current circuit 		screw-type terminal		
for auxiliary and control circuit		screw-type terminal	8	
arrangement of electrical connectors for main	current	Top and bottom		
circuit				
type of connectable conductor cross-sections	i			
 for main contacts solid or stranded 		$2x(0.5, 1.5, 2x^2)$	2x (0.7E 2.Emm ²) 0x 4	mm ²
— solid or stranded		2x (0,3 1,5 mm²),	2x (0,75 2,5 mm²), 2x 4	
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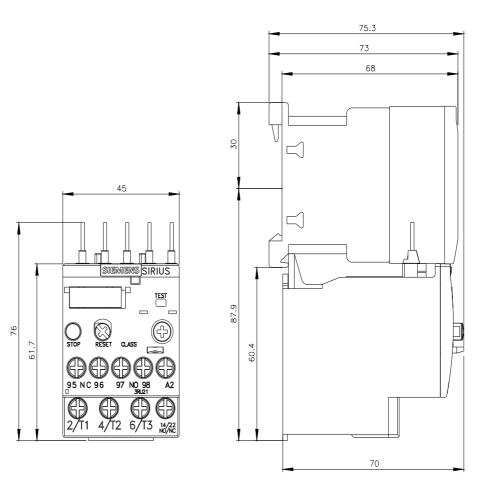
	nded with core end process	-	2x (0.5 1.5 mm²), 2x (0.75	2.5 mm²)	یپ رصنعت	Ċ	
at AWG cables			2x (20 16), 2x (18 14), 2	2x 12		هار	
	conductor cross-section	S					
 for auxiliary con 			0 (0 F 4 F2) 0x (0 7 F	0.52)	58 ⁴		
— solid or stra			2x (0.5 1.5 mm ²), 2x (0.75				
•	nded with core end process	•	2x (0.5 1.5 mm ²), 2x (0.75	2.5 mm²)			
	for auxiliary contacts		2x (20 16), 2x (18 14)				
tightening torque	ts with screw-type terminal	in 1	0.8 1.2 N·m				
	tacts with screw-type terminal		0.8 1.2 N·m				
design of screwdrive			Diameter 5 6 mm				
size of the screwdrive			Pozidriv PZ 2				
	of the connection screw						
 for main contact 			M3				
	and control contacts		M3				
Safety related data							
	ow demand rate according	to SN	50 FIT				
MTTF with high dem	and rate		2 280 y				
_	t interval or service life acc		20 y				
protection class IP o 60529	on the front according to	IEC	IP20				
touch protection on Display	the front according to IE	C 60529	finger-safe, for vertical conta	ct from the front			
display version for swi	itching status		Slide switch				
Certificates/ approvals	-						
					ous locations		
	<u>Confirmation</u>			EAC	IECEx		
For use in hazard- ous locations	Confirmation Declaration of Conform	ecc ecc	UL UL Test Certificates	EAC	IECEx Marine / Shipping		
		uty VK	Test Certificates Special Test Certificates	ERE <u>Type Test Certific-ates/Test Report</u>			
	Declaration of Conform	UK	Special Test Certific-				
ous locations	Declaration of Conform	UK	Special Test Certific-				
ous locations	Declaration of Conform	UK CA	Special Test Certific-				
ous locations	Declaration of Conform	UK CA	Special Test Certific-				

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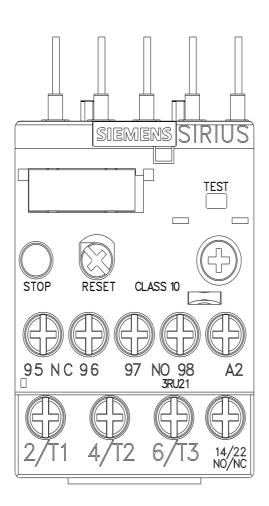
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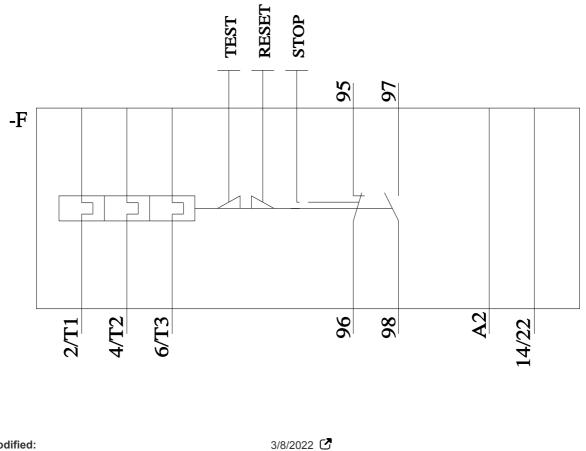
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Data sheet

FAMC هايپرمنعت

3RU2116-1JB0



Overload relay 7.0...10 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload relay		
product type designation		3RU2		
General technical data				
size of overload relay		S00		
size of contactor can be combined company-s	specific	S00		
power loss [W] for rated value of the current at AC operating state	C in hot	6.6 W		
• per pole		2.2 W		
insulation voltage with degree of pollution 3 at AC value	C rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
between main and auxiliary circuit		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	11	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	7 10 A		
operating voltage				
 rated value 		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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				۲۹۹۸ پـرمىنعت	' ()
operational current rated value		10 A			
operational current at AC-3e at 400 V rated value	ļ	10 A		."	.la
operating power				پرستعت	
• at AC-3					
— at 400 V rated value		4 kW			
— at 500 V rated value		5.5 kW			
— at 690 V rated value		7.5 kW			
• at AC-3e					
— at 400 V rated value		4 kW			
— at 500 V rated value		5.5 kW			
— at 690 V rated value		7.5 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	 2-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13	2.4			
• at 24 V		2 A 0.3 A			
• at 60 V					
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class design of the overload release		CLASS 10 thermal			
		lineimai			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		10 A			
at 600 V rated value		10 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synaptical 	witch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		76 mm			
width		45 mm			
depth		70 mm			
Connections/ Terminals					
product component removable terminal for au	ixiliary	No			
and control circuit					
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	5		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	\$				
 for main contacts 					
— solid or stranded		2x (0,5 1,5 mm²),	2x (0,75 2,5 mm²), 2x 4	mm²	
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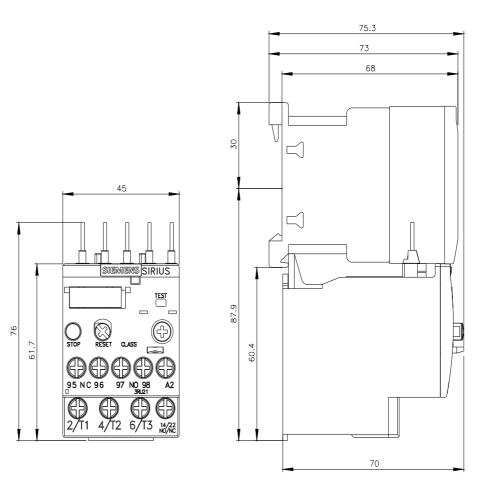
— finely stranded with		-	(0.5 1.5 mm²), 2x (0.75	5 2.5 mm²)	۲۹۹۸ پـرمىنعت	Ċ		
at AWG cables for main of the second se		2x ((20 16), 2x (18 14), 2	2x 12	ىرمىنغت	ھاد		
type of connectable conducto	or cross-sections							
 for auxiliary contacts 		224	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)					
— solid or stranded	aara and processin		(0.5 1.5 mm²), 2x (0.75 (0.5 1.5 mm²), 2x (0.75					
 finely stranded with at AWG cables for auxilia 		-	(0.5 1.5 mm), 2x (0.7 c (20 16), 2x (18 14)) 2.5 mm)				
tightening torque		241	(20 10), 2x (10 14)					
 for main contacts with sci 	rew-type terminals	0.8	1.2 N·m					
 for auxiliary contacts with 			1.2 N·m					
design of screwdriver shaft			Diameter 5 6 mm					
size of the screwdriver tip		Poz	zidriv PZ 2					
design of the thread of the co	onnection screw							
 for main contacts 		M3						
 of the auxiliary and control 	ol contacts	M3						
Safety related data								
failure rate [FIT] with low deman 31920	nd rate according to	50 SN	FIT					
MTTF with high demand rate		2.2	80 y					
T1 value for proof test interval of IEC 61508			-					
protection class IP on the fro 60529	ont according to IE	C IP2	0					
touch protection on the front	according to IEC	60529 fing	er-safe, for vertical conta	act from the front				
Display								
display version for switching sta	atus	Slic	le switch					
Certificates/ approvals								
General Product Approval					For use in hazard- ous locations			
Cont Cont	firmation	() () ()		EHC	IECE×			
For use in hazard- ous locations Declara	ation of Conformit	у	Test Certificates		Marine / Shipping			
Ex e	G-Konf.	UK CA	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS			
Marine / Shipping								
BUREAU VERITAS		Lloyds Register Lirs	PRS	RINA	RMRS			
other Railwa	У							
Confirmation Vibration	n and Shock							

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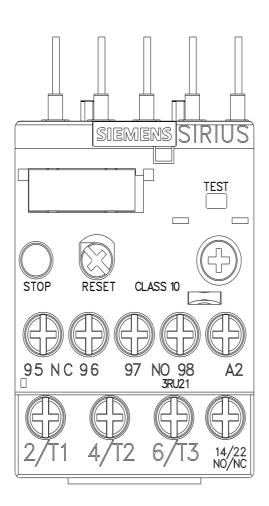
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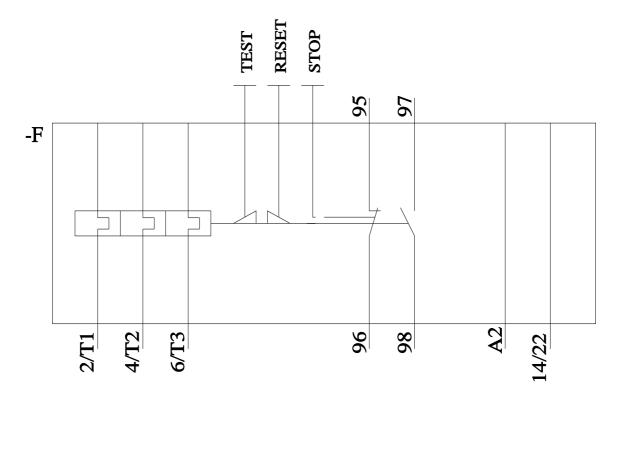
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Data sheet

FAMCهايپرصنعت

3RU2126-1CB0



Overload relay 1.8...2.5 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload relay		
product type designation		3RU2		
General technical data				
size of overload relay		SO		
size of contactor can be combined company-s	·	S0		
power loss [W] for rated value of the current at A operating state	C in hot	5.7 W		
per pole		1.9 W		
insulation voltage with degree of pollution 3 at AC value	C rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27	,	8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	e	Ex II (2) GD		
certificate of suitability according to ATEX directive 2014/34/EU		DMT 98 ATEX G 001		
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	kimum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	the	1.8 2.5 A		
operating voltage				
 rated value 		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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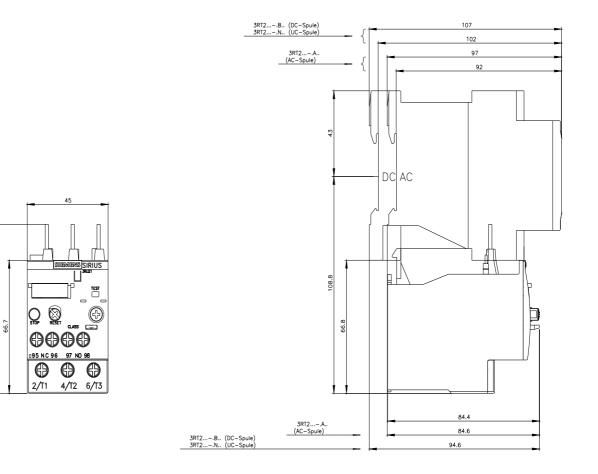
				FAMC پرمىنعت	'n
operational current rated value	_	2.5 A			U
operational current at AC-3e at 400 V rated value		2.5 A			
operating power		2.077		برمتعت	ھار
• at AC-3				- *	••
— at 400 V rated value		0.75 kW			
— at 500 V rated value		1.1 kW			
— at 690 V rated value		1.5 kW			
• at AC-3e		1.0 1.0			
— at 400 V rated value		0.75 kW			
— at 500 V rated value		1.1 kW			
— at 690 V rated value		1.5 kW			
Auxiliary circuit	-	1.0 1.0			
design of the auxiliary switch	_	intograted			
number of NC contacts for auxiliary contacts	_	integrated			
note		for contactor discon	nation		
	_		nection		
number of NO contacts for auxiliary contacts note 		for message "Trippe	d"		
number of CO contacts for auxiliary contacts	_	0	u .		
-	5	0			
operational current of auxiliary contacts at AC-1 • at 24 V	5	3 A			
• at 24 v		3 A			
		3 A			
• at 120 V					
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V	2	1 A			
operational current of auxiliary contacts at DC-1	3	2.4			
• at 24 V		2 A 0.3 A			
• at 60 V					
• at 110 V		0.22 A			
● at 125 V ● at 220 V		0.22 A 0.11 A			
contact rating of auxiliary contacts according to	UL	B600 / R300			
Protective and monitoring functions	-	01.4.00.40			
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings	_				
full-load current (FLA) for 3-phase AC motor		0.5.4			
at 480 V rated value		2.5 A			
at 600 V rated value	_	2.5 A			
Short-circuit protection	_	_			
design of the fuse link					
 for short-circuit protection of the auxiliary swite required 	ch	fuse gG: 6 A, quick:	10 A		
•					
Installation/ mounting/ dimensions		0.001/			
mounting position		any Contactor mounting			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for auxi and control circuit	liary	No			
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	S		
arrangement of electrical connectors for main cu circuit	urrent	Top and bottom			
type of connectable conductor cross-sections					
for main contacts					
- solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
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 finely stranded with core end processing at AWG cables for main contacts 	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm 2x (20 16), 2x (20 18), 2x 12	
type of connectable conductor cross-sections	22 (20 10), 22 (20 10), 22 12	هاييرصنعت
for auxiliary contacts		- ••••
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
 tightening torque for main contacts with screw-type terminals 	2 2.5 N·m	
for auxiliary contacts with screw-type terminals	0.8 1.2 N·m	
design of screwdriver shaft	Diameter 5 6 mm	
size of the screwdriver tip	Pozidriv PZ 2	
design of the thread of the connection screw		
• for main contacts	M4	
of the auxiliary and control contacts	M3	
Safety related data failure rate [FIT] with low demand rate according to SN 31920	50 FIT	
MTTF with high demand rate	2 280 y	
T1 value for proof test interval or service life according to IEC 61508	20 y	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the front	
display version for switching status	Slide switch	
Certificates/ approvals		
Confirmation CSA CCC		ous locations
For use in hazard- ous locations Declaration of Conformity	Test Certificates	Marine / Shipping
EG-Konf. UK	<u>Type Test Certific-Special Test Certific-</u> ates/Test Report ate	ABS
Marine / Shipping		
BUREAU VERITAS	PRS RINA	RMRS
other Railway		
Confirmation Vibration and Shock		

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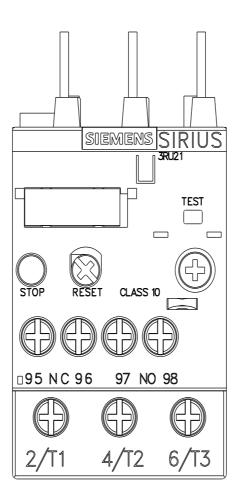


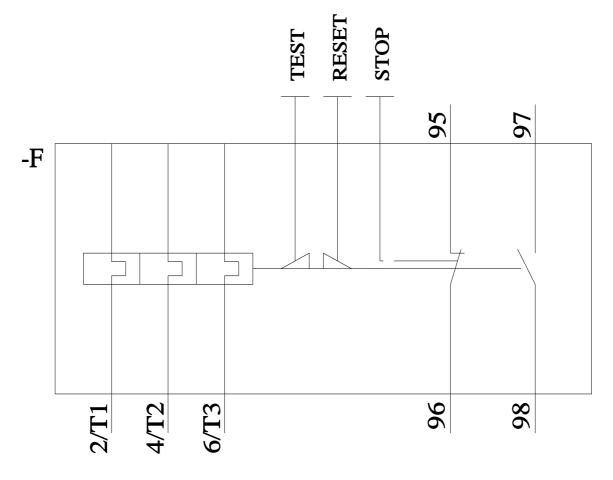


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Data sheet

FAMC هايپرمنعت

3RU2126-1DB0



Overload relay 2.2...3.2 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at A operating state	C in hot	5.7 W		
• per pole		1.9 W		
insulation voltage with degree of pollution 3 at AC value	C rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
between main and auxiliary circuit		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directive 2014/34/EU	/e	DMT 98 ATEX G 00	1	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of the current-dependent overload release		2.2 3.2 A		
operating voltage				
 rated value 		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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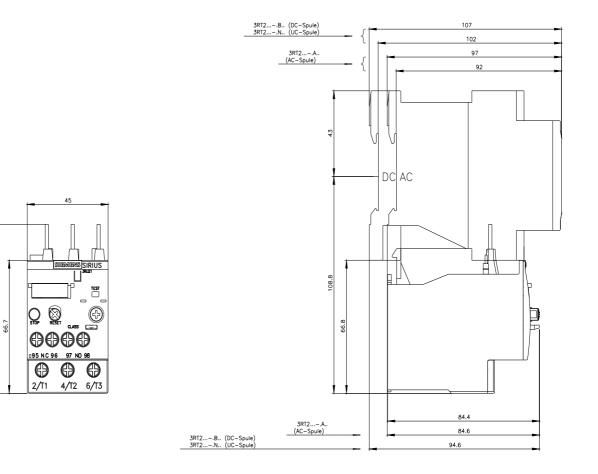
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operational current rated value		3.2 A			
operational current at AC-3e at 400 V rated value	!	3.2 A			مار.
operating power				پرسعت	
• at AC-3				•	
— at 400 V rated value		1.1 kW			
— at 500 V rated value		1.5 kW			
— at 690 V rated value		2.2 kW			
• at AC-3e					
— at 400 V rated value		1.1 kW			
— at 500 V rated value		1.5 kW			
— at 690 V rated value		2.2 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	inection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15				
• at 24 V	. 10	3 A			
• at 24 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13				
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
 at 480 V rated value 		3.2 A			
at 600 V rated value		3.2 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary system 	witch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au	ixiliary	No			
and control circuit					
type of electrical connection					
 for main current circuit 		screw-type terminal	S		
 for auxiliary and control circuit 		screw-type terminal	S		
arrangement of electrical connectors for main	current	Top and bottom			
circuit					
type of connectable conductor cross-sections	5				
for main contacts		0			
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
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E-mail: info@famcocorp.com	🚺 Tel	:071- ۴ ۸ ० ० ० ० ۴ ۹	دراه لشگری (جاده مخصوص کرج)		
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	nded with core end process for main contacts	-	2x (1 2.5 mm²), 2x (2.5)	6 mm²), 1x 10 mm	FAMC پرمنعت	Ċ
			2x (16 12), 2x (14 8)		ىرمىنعت	ھار
	conductor cross-sections	5			,	
 for auxiliary con)	$O = mana^2$		
— solid or str			2x (0.5 1.5 mm ²), 2x (0.75			
	nded with core end process	•	2x (0.5 1.5 mm ²), 2x (0.75	2.5 mm²)		
	for auxiliary contacts	2	2x (20 16), 2x (18 14)			
tightening torque			0.5.1			
	ts with screw-type terminals		2 2.5 N·m			
	ntacts with screw-type termi).8 1.2 N·m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv	•	F	Pozidriv PZ 2			
•	of the connection screw					
 for main contact 		Π	M4			
 of the auxiliary a 	and control contacts	Π	//3			
Safety related data						
failure rate [FIT] with I 31920	low demand rate according	to SN 5	50 FIT			
MTTF with high dem	and rate	2	2 280 y			
T1 value for proof test IEC 61508	t interval or service life acco		20 y			
protection class IP o 60529	on the front according to I	IEC I	P20			
touch protection on Display	the front according to IEC	C 60529 f	inger-safe, for vertical conta	ct from the front		
display version for sw	vitching status	\$	Slide switch			
Certificates/ approval	-					
Certificates/ approval	5	_				
General Product Ap	pproval Confirmation		Ē	rnr	For use in hazard- ous locations	
<u> </u>			W	EHL	ATEX	
For use in hazard- ous locations	Declaration of Conform	iity	Test Certificates		Marine / Shipping	
IECEX	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping						
BUREAU VERITAS		Llovd's Register uts	PRS	RINA	RMRS	
other	Railway					
Confirmation	Vibration and Shock					

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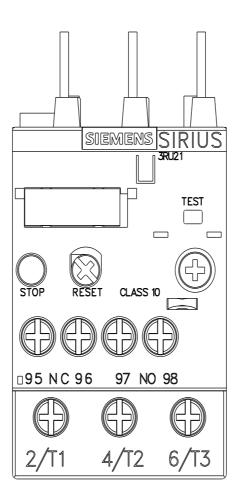


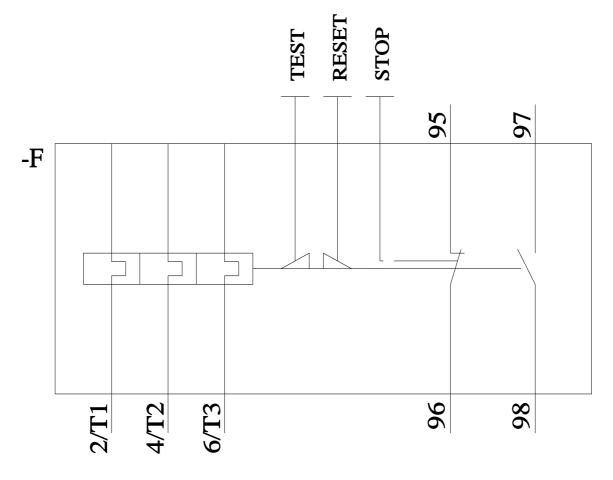


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Data sheet

FAMCهايپرصنعت

3RU2126-1EB0



Overload relay 2.8...4.0 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload relay		
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-	specific	S0		
power loss [W] for rated value of the current at A operating state	C in hot	5.7 W		
• per pole		1.9 W		
insulation voltage with degree of pollution 3 at AC value	C rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	e	Ex II (2) GD		
certificate of suitability according to ATEX directive 2014/34/EU	/e	DMT 98 ATEX G 001		
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	timum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
during transport		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of current-dependent overload release	the	2.8 4 A		
operating voltage				
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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operational current rated value		4 A			J.
operational current at AC-3e at 400 V rated value	<u> </u>	4 A			
operating power	,	77		ىرمىنىت	ھار
• at AC-3				*	••
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		3 kW			
• at AC-3e		0 100			
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		3 kW			
Auxiliary circuit		5 KW			
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1	<i></i>		
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	2-15				
• at 24 V		3 A			
● at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	C-13				
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
at 480 V rated value		4 A			
 at 600 V rated value 		4 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary st 	witch	fuse gG: 6 A, quick:	10 A		
required	WITCH I		1071		
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
	william	Ne			
product component removable terminal for au and control circuit	iniidiy	No			
type of electrical connection					
for main current circuit		screw-type terminal	S		
 for auxiliary and control circuit 		screw-type terminal			
arrangement of electrical connectors for main	current	Top and bottom			
circuit					
type of connectable conductor cross-sections	6				
 for main contacts 					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
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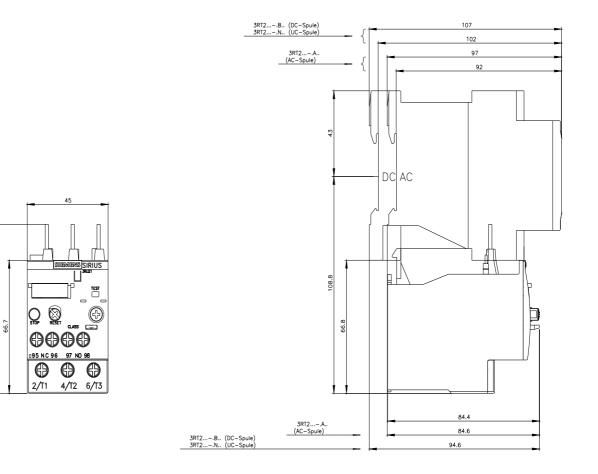
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 — finely stran ● at AWG cables 	nded with core end proce	essing		I 2.5 mm²), 2x (2.5 I6 12), 2x (14 8)	6 mm²), 1x 10 mm		
	conductor cross-section	ons	27 (10 12), 2x (14 0)		يرصنعت	ھاپ
 for auxiliary con 						÷	••
— solid or str	anded		2x (0).5 1.5 mm²), 2x (0.75	2.5 mm²)		
— finely stran	nded with core end proce	essing	2x (0).5 1.5 mm²), 2x (0.75	2.5 mm²)		
 at AWG cables 	for auxiliary contacts		2x (2	20 16), 2x (18 14)			
tightening torque							
 for main contact 	ts with screw-type termin	nals	2	2.5 N·m			
	tacts with screw-type te	rminals	0.8.	1.2 N·m			
design of screwdrive	er shaft		Dian	neter 5 6 mm			
size of the screwdriv	-		Pozi	driv PZ 2			
-	of the connection scre	W					
 for main contact 			M4				
-	and control contacts		M3				
Safety related data	ow demand rate accord	na to SN	50 F	IT			
31920							
MTTF with high dem			2 28				
T1 value for proof test IEC 61508	t interval or service life a	ccording to	20 y				
protection class IP o 60529	on the front according t	to IEC	IP20	I			
touch protection on Display	the front according to	IEC 60529	finge	er-safe, for vertical conta	ct from the front		
display version for sw	itching status		Slide	e switch			
Certificates/ approval	-						
General Product Ap	proval					For use in hazard- ous locations	L
		Confirmatio	חכ		EHC	K ATEX	
For use in hazard- ous locations	Declaration of Confo	ormity		Test Certificates		Marine / Shipping	
IECEX	CE EG-Konf.	UK CA		<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific</u> ates/Test Report		
Marine / Shipping							
BUREAU VERITAS		Llovd's Register uis		PRS	RINA	RMRS	
other	Railway						
Confirmation	Vibration and Shock						

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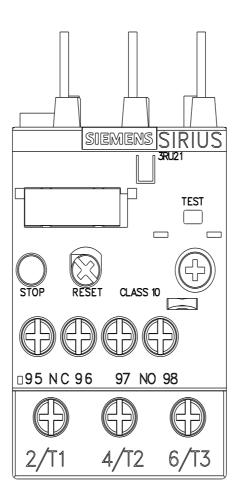


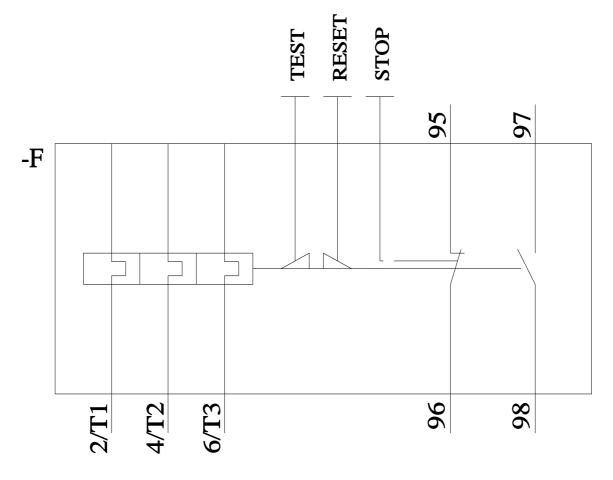


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Data sheet

FAMCهايپرصنعت

3RU2126-1FB0



Overload relay 3.5...5.0 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at AC operating state	C in hot	6.6 W		
• per pole		2.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 001		
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	3.5 5 A		
operating voltage				
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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operational current rated value		5 A			\mathbf{U}
operational current at AC-3e at 400 V rated value		5 A			.1.
operating power				يرمنعت	ھات
• at AC-3				Ť	
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		4 kW			
• at AC-3e					
— at 400 V rated value		1.5 kW			
— at 500 V rated value		2.2 kW			
— at 690 V rated value		4 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor disconr	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	d"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13	0.4			
● at 24 V ● at 60 V		2 A 0.3 A			
		0.3 A 0.22 A			
● at 110 V ● at 125 V		0.22 A 0.22 A			
• at 220 V		0.22 A 0.11 A			
contact rating of auxiliary contacts according	to III	B600 / R300			
Protective and monitoring functions		B000710000			
trip class		CLASS 10			-
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		5 A			
 at 600 V rated value 		5 A			
Short-circuit protection					i
design of the fuse link					
 for short-circuit protection of the auxiliary sw required 	vitch	fuse gG: 6 A, quick:	10 A		
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	xiliary	No			
type of electrical connection					
 for main current circuit 		screw-type terminals	3		
 for auxiliary and control circuit 		screw-type terminals	3		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections					
 for main contacts 					
— solid or stranded		2x (1 2.5 mm²), 2x	((2.5 10 mm²)		
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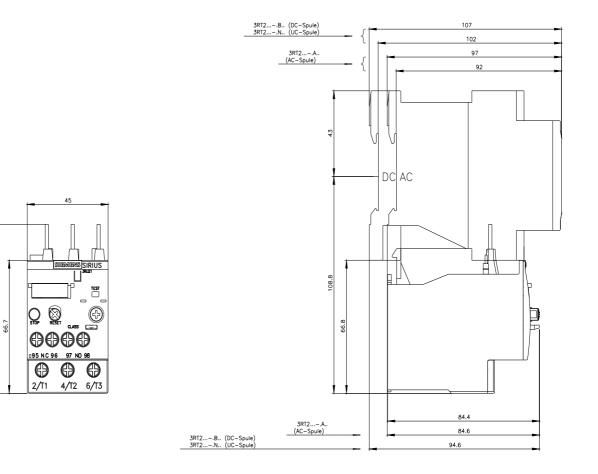
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	nded with core end proce for main contacts	-	2x (1 2.5 mm²), 2x (2.5) 2x (16 12), 2x (14 8)	6 mm²), 1x 10 mm		
	conductor cross-secti		2X (10 12), 2X (14 0)		برمنعت	ھار
 for auxiliary cor 						••
— solid or str			2x (0.5 1.5 mm²), 2x (0.75	2.5 mm ²)		
	nded with core end proc		2x (0.5 1.5 mm²), 2x (0.75			
	for auxiliary contacts	-	2x (20 16), 2x (18 14)			
tightening torque	···· ·································					
	ts with screw-type termi	nals	2 2.5 N·m			
	ntacts with screw-type te		0.8 1.2 N⋅m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
	of the connection scr					
 for main contact 			M4			
	and control contacts		M3			
Safety related data						
	low demand rate accord	ling to SN	50 FIT			
MTTF with high dem	and rate		2 280 y			
	t interval or service life a		2 200 y 20 y			
	on the front according	to IEC	IP20			
touch protection on Display	the front according to	IEC 60529	finger-safe, for vertical conta	ct from the front		
display version for sw	itching status		Slide switch			
Certificates/ approval	-					
General Product Ap	proval	CCC	UL	EAC	For use in hazard- ous locations	
For use in hazard- ous locations	Declaration of Confe	ormity	Test Certificates		Marine / Shipping	
KEX ATEX	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific</u> ates/Test Report		
Marine / Shipping						
BUREAU VERITAS		Lloyds Kegister urs	PRS	RINA	RMRS	
other	Railway					
<u>Confirmation</u>	Vibration and Shock					

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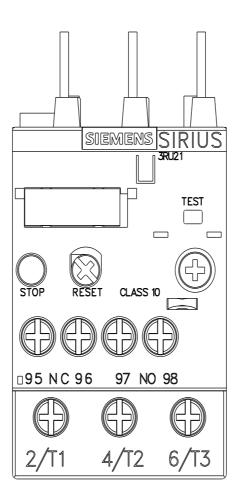


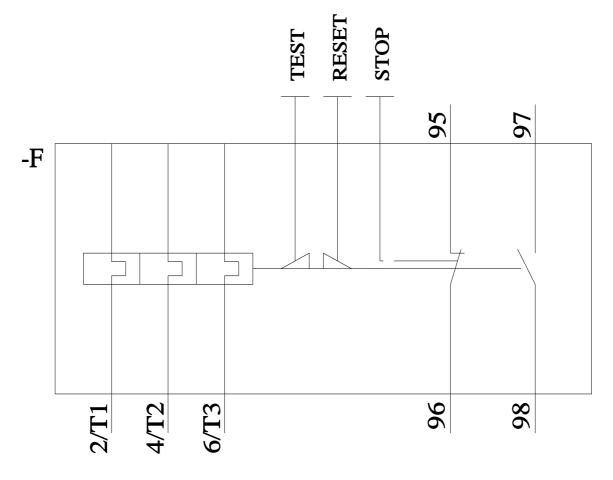


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Data sheet

FAMCهايپرصنعت

3RU2126-1GB0



Overload relay 4.5...6.3 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at A0 operating state	C in hot	6.6 W		
• per pole		2.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
between main and auxiliary circuit		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	11	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of the current-dependent overload release		4.5 6.3 A		
operating voltage				
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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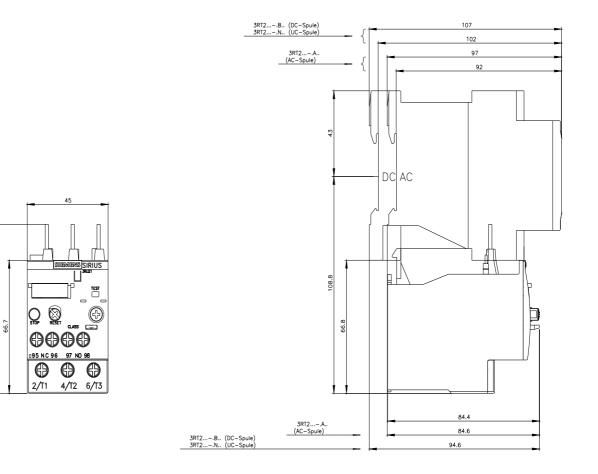
				FAMC پـرمىنعت	'n
operational current rated value		6.3 A			
operational current at AC-3e at 400 V rated value		6.3 A			
operating power				يرصنعت	ھات
• at AC-3				- ,	
— at 400 V rated value		2.2 kW			
— at 500 V rated value		3 kW			
— at 690 V rated value		4 kW			
• at AC-3e					
— at 400 V rated value		2.2 kW			
— at 500 V rated value		3 kW			
— at 690 V rated value		4 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
note		for message "Trippe	d"		
number of CO contacts for auxiliary contacts		0	u.		
operational current of auxiliary contacts at AC	. 16	0			
• at 24 V	-15	3 A			
• at 24 v • at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V	40	1 A			
operational current of auxiliary contacts at DC	-13	2.4			
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V	4- 111	0.11 A			
contact rating of auxiliary contacts according Protective and monitoring functions	to UL	B600 / R300			
		01.400.40			
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor		0.0.4			
• at 480 V rated value		6.3 A			
at 600 V rated value		6.3 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synapsical 	vitch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au	xiliary	No			
and control circuit					
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	3		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	•				
 for main contacts solid or strandod 		$2x(1 - 2Emm^2) = 0$	$(2.5 \pm 10 \text{ mm}^2)$		
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
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finally atranded with core and processing	$2x (1 - 2.5 mm^2) 2x (2.5 - 6 mm^2) 1x 10 mm^2$	FAMC هايپرمنعت
 finely stranded with core end processing at AWG cables for main contacts 	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm 2x (16 12), 2x (14 8)	· · · · · · ·
type of connectable conductor cross-sections	(ھاييرصىغت
 for auxiliary contacts 		•
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
 tightening torque for main contacts with screw-type terminals 	2 2.5 N·m	
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m	
design of screwdriver shaft	Diameter 5 6 mm	
size of the screwdriver tip	Pozidriv PZ 2	
design of the thread of the connection screw		
 for main contacts 	M4	
 of the auxiliary and control contacts 	M3	
Safety related data		
failure rate [FIT] with low demand rate according to SN 31920	50 FIT	
MTTF with high demand rate	2 280 y	
T1 value for proof test interval or service life according to IEC 61508	20 у	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the front	
display version for switching status	Slide switch	
Certificates/ approvals		
General Product Approval	EAC	For use in hazard- ous locations
For use in hazard- ous locations Declaration of Conformity	Test Certificates	Marine / Shipping
	Special Test Certific- ate <u>ates/Test Report</u>	ABS
Marine / Shipping		
BUREAU VERITAS	PRS RINA	RMRS
other Railway		
Confirmation Vibration and Shock		

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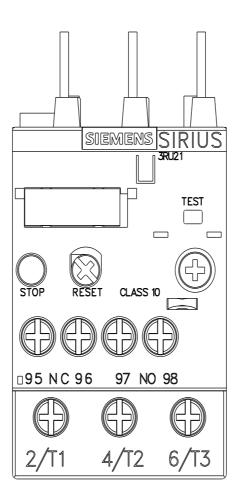


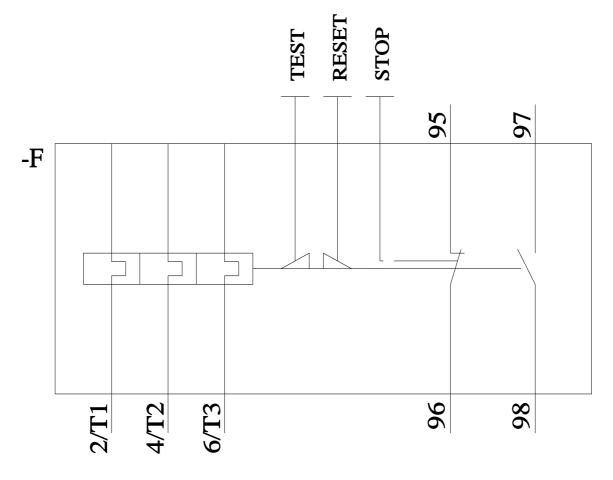


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Data sheet

FAMCهايپرصنعت

3RU2126-1HB0



Overload relay 5.5...8.0 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at AC operating state	C in hot	6.6 W		
• per pole		2.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	Ð	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	11	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
during transport		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	5.5 8 A		
operating voltage				
 rated value 		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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operational current rated value	 هايپرمىنعت ^{8A}
operational current at AC-3e at 400 V rated value	
operational current at AC-3e at 400 V rated value operating power	ھاپپرمنعت
• at AC-3	· · · ·
- at 400 V rated value	3 kW
— at 500 V rated value	4 kW
— at 690 V rated value	4 KW 5.5 kW
• at AC-3e	5.5 KW
at AC-3e — at 400 V rated value	3 kW
— at 500 V rated value	4 kW
— at 690 V rated value	4 KW 5.5 kW
	5.5 KW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
• note	for contactor disconnection
number of NO contacts for auxiliary contacts	1
• note	for message "Tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 110 V	3 A
• at 120 V	3 A
• at 125 V	3 A
• at 230 V	2 A
• at 400 V	1A
operational current of auxiliary contacts at DC-13	
• at 24 V	2 A
• at 60 V	0.3 A
• at 110 V	0.22 A
• at 125 V	0.22 A
• at 220 V	0.11 A
contact rating of auxiliary contacts according to L	UL B600 / R300
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	8 A
at 600 V rated value	8 A
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the auxiliary switch 	h fuse gG: 6 A, quick: 10 A
required	
Installation/ mounting/ dimensions	
mounting position	any
fastening method	Contactor mounting
height	85 mm
width	45 mm
depth	85 mm
Connections/ Terminals	
product component removable terminal for auxilia and control circuit	ary No
type of electrical connection	
 for main current circuit 	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
arrangement of electrical connectors for main cur	rrent Top and bottom
circuit	
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
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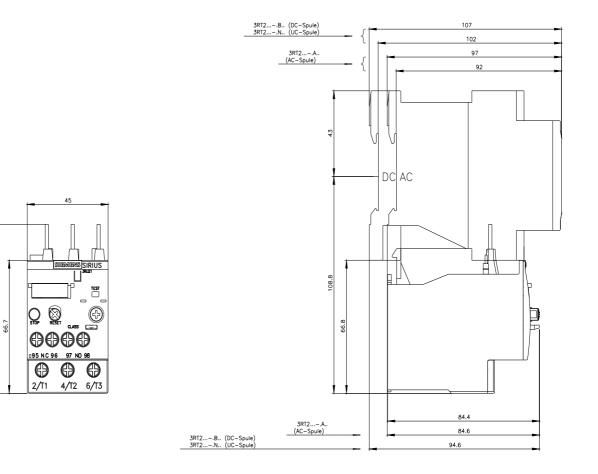
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-	nded with core end process	-	(1 2.5 mm²), 2x (2.5			
at AWG cables	for main contacts conductor cross-sectior		(16 12), 2x (14 8)		ىرمنعت	ھار
 for auxiliary con 		15			,	••
- solid or stra		2x	(0.5 1.5 mm²), 2x (0.75	2.5 mm^2		
	ided with core end process		(0.5 1.5 mm²), 2x (0.75 (0.75			
	for auxiliary contacts	-	(20 16), 2x (18 14)			
tightening torque	······································		(,,, (,))			
	ts with screw-type termina	ls 2.	2.5 N·m			
	itacts with screw-type term		3 1.2 N·m			
design of screwdrive			ameter 5 6 mm			
size of the screwdriv	/er tip	Po	zidriv PZ 2			
design of the thread	of the connection screw	V				
 for main contact 	ts	M4	ŧ			
 of the auxiliary a 	and control contacts	M3	3			
Safety related data						
	ow demand rate according	g to SN 50	FIT			
31920	and vote		200			
MTTF with high dem			280 y			
I 1 value for proof test IEC 61508	t interval or service life acc	cording to 20	У			
	on the front according to	IEC IP2	20			
touch protection on	the front according to IE	C 60529 fing	ger-safe, for vertical conta	ict from the front		
Display						
display version for sw	-	Slie	de switch			
Certificates/ approvals	5			_		
General Product Ap	proval				For use in hazard- ous locations	
					ous locations	
	<u>Confirmation</u>			EAC	Ex ATEX	
For use in hazard- ous locations	Declaration of Conform	nity	Test Certificates		Marine / Shipping	
IECEx	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS	
Marine / Shipping						
BUREAU VERITAS		Lloyds Register urs	PRS	RINA	RMRS	
other	Railway					
Confirmation	Vibration and Shock					

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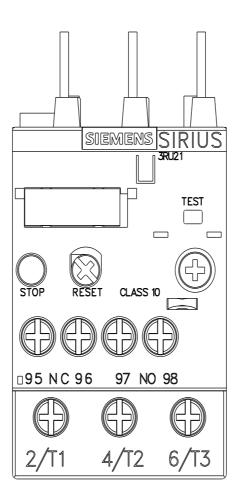


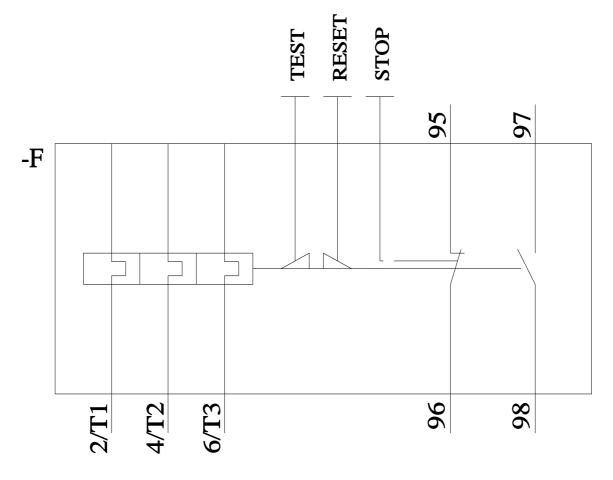


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Data sheet

FAMCهايپرصنعت

3RU2126-1JB0



Overload relay 7.0...10 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at A0 operating state	C in hot	6.6 W		
• per pole		2.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
between main and auxiliary circuit		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
 during transport 		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t _current-dependent overload release	he	7 10 A		
operating voltage				
 rated value 		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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🖸 E-mail: info@famcocorp.com	🚺 Tel	:071- ۴ ۸ 0 0 0 6 9	تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)	
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				FAMC پرمنعت	'n
operational current rated value		10 A			J.
operational current at AC-3e at 400 V rated value		10 A		• - • -	
operating power				يرمنعت	ھاپ
• at AC-3					
— at 400 V rated value		4 kW			
— at 500 V rated value		5.5 kW			
— at 690 V rated value		7.5 kW			
• at AC-3e					
— at 400 V rated value		4 kW			
— at 500 V rated value		5.5 kW			
— at 690 V rated value		7.5 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1	needon		
note		for message "Trippe	vd"		
number of CO contacts for auxiliary contacts		0	u .		
operational current of auxiliary contacts at AC	-15	0			
• at 24 V	-15	3 A			
• at 24 v • at 110 V		3 A			
• at 120 V		3 A			
• at 120 V • at 125 V		3 A			
• at 230 V		2 A			
• at 230 V		1 A			
operational current of auxiliary contacts at DC	12	IA			
• at 24 V	-13	2 A			
• at 24 V • at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A 0.22 A			
• at 125 V • at 220 V		0.22 A 0.11 A			
	to 111	B600 / R300			
contact rating of auxiliary contacts according Protective and monitoring functions		B0007 R300			
		01 4 0 0 4 0			
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor		40.4			
• at 480 V rated value		10 A			
at 600 V rated value		10 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synamics 	vitch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	xiliary	No			
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	5		
arrangement of electrical connectors for main circuit		Top and bottom			
type of connectable conductor cross-sections	i				
 for main contacts 					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
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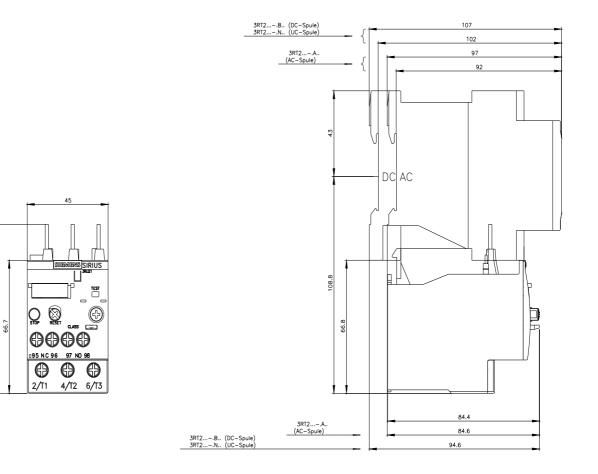
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					FAMC پرمنعت	ሰ
	nded with core end proces	-	2x (1 2.5 mm²), 2x (2.5	. 6 mm²), 1x 10 mm		
	for main contacts		2x (16 12), 2x (14 8)		باصنعت	ھار
	conductor cross-sectio	ns			, <u>".</u>	. —
 for auxiliary cor 			$(0.5 - 1.5 mm^2) = 0.4 (0.7$	5 0.5 mm ²)		
— solid or str			2x (0.5 1.5 mm²), 2x (0.7 2x (0.5 1.5 mm²), 2x (0.7			
	nded with core end proces for auxiliary contacts	•	2x (0.5 1.5 mm ⁻), 2x (0.7 2x (20 16), 2x (18 14)	5 2.5 ጠጠ-)		
tightening torque		2	28 (20 10), 28 (10 14)			
	ts with screw-type termina	als 2	2 2.5 N·m			
	ntacts with screw-type terring).8 1.2 N·m			
design of screwdriv			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
	of the connection screw					
 for main contact 			Л4			
	and control contacts		ИЗ			
Safety related data						
	low demand rate accordin	ig to SN 5	50 FIT			
MTTF with high dem	and rate	2	2 280 y			
	t interval or service life ac		20 y			
60529	on the front according to		P20			
touch protection on Display	the front according to I	EC 60529 fi	inger-safe, for vertical cont	act from the front		
display version for sw	itching status	S	Slide switch			
Certificates/ approval						
General Product Ap	pproval				For use in hazard- ous locations	
SP	Confirmation	((JL)	FAL	(Ex)	
For use in hazard-	Confirmation Declaration of Confor	ccc mity	UL Test Certificates	EHC	Marine / Shipping	
For use in hazard- ous locations		mity	Test Certificates	EAC	Marine / Shipping	
		wity UK	Test Certificates Type Test Certificates Type Test Certificates	Effe Special Test Certific- ate		
ous locations	Declaration of Confor	UK	Type Test Certific-			
ous locations	Declaration of Confor	UK	Type Test Certific-			
ous locations	Declaration of Confor	UK CA	Type Test Certific-			
ous locations	Declaration of Confor	UK CA	Type Test Certific-			

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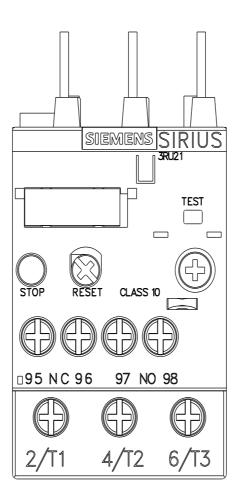


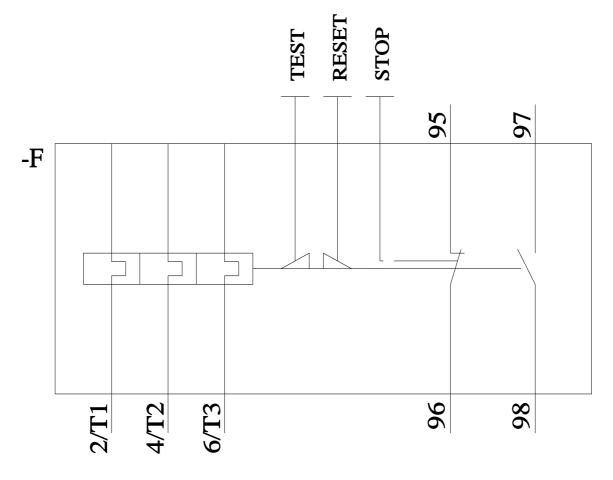


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Data sheet

FAMCهايپرصنعت

3RU2126-1KB0



Overload relay 9.0...12.5 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	lay
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	specific	S0	
power loss [W] for rated value of the current at A0 operating state	C in hot	6.6 W	
• per pole		2.2 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
between auxiliary and auxiliary circuit		440 V	
between auxiliary and auxiliary circuit		440 V	
between main and auxiliary circuit		440 V	
between main and auxiliary circuit		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU		Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00)1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
 during transport 		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	:he	9 12.5 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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E-mail: info@famcocorp.com	🚺 Tel	:071- ۴ ۸ ० ० ० ۴ ۹	تهران ، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
E-man: mo@ramcocorp.com	🕞 Fa	X:071 - ዙዙዓዓዙያዙሃ	روبـروی پالایشگاه نفت پـارس، پلاک ۱۲

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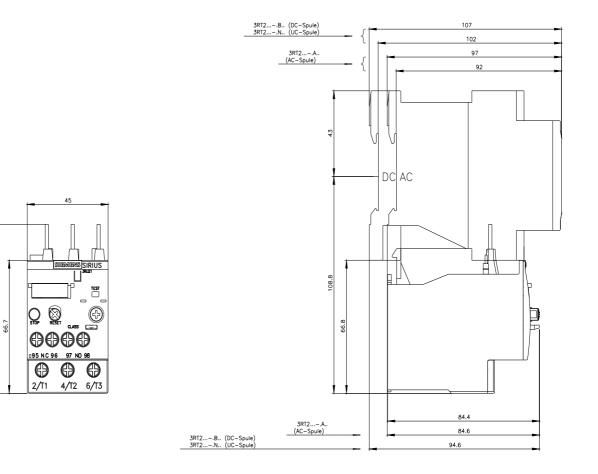
				۲۹۹۸ پـرمىنعت	'n
operational current rated value		12.5 A			
operational current at AC-3e at 400 V rated value	!	12.5 A			
operating power				يرمىعت	משי
• at AC-3				•	••
— at 400 V rated value		5.5 kW			
— at 500 V rated value		7.5 kW			
— at 690 V rated value		7.5 kW			
• at AC-3e					
— at 400 V rated value		5.5 kW			
— at 500 V rated value		7.5 kW			
— at 690 V rated value		7.5 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 200 V		1 A			
operational current of auxiliary contacts at DC	. 12	IA			
• at 24 V	-13	2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A 0.22 A			
• at 220 V	40.111	0.11 A			
contact rating of auxiliary contacts according Protective and monitoring functions		B600 / R300			
•		CLASS 10		_	
trip class design of the overload release		thermal			
UL/CSA ratings		therman			
		_	_	_	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value		12.5 A			
at 400 V rated value at 600 V rated value		12.5 A			
		12.5 A			
Short-circuit protection					
design of the fuse link			10.1		
 for short-circuit protection of the auxiliary sy required 	witch	fuse gG: 6 A, quick:	10 A		
Installation/ mounting/ dimensions					
		2011			
mounting position		any Contactor mounting			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals		N			
product component removable terminal for au and control circuit	ixillary	No			
type of electrical connection					
for main current circuit		screw-type terminal	3		
 for auxiliary and control circuit 		screw-type terminal			
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	;				
for main contacts					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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E-mail: info@famcocorp.com @ @famco_group	🕞 Fa:	K:071 - ዙዙዓዓዙያዙነ	نفت پارس، پلاک ۱۲	روبروی پالایشگاه ;	

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					FAMC پرمنعت	'n
 — finely strand ● at AWG cables for 	led with core end proces or main contacts	ssing	2x (1 2.5 mm ²), 2x (2.5 2x (16 12), 2x (14 8)	. 6 mm²), 1x 10 mm		
type of connectable c		ns			يرصعت	هاي
 for auxiliary containing 	acts					
— solid or strar	nded		2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
— finely strand	ed with core end proces	ssing	2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
 at AWG cables for 	or auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque						
 for main contacts 	with screw-type termin	als	2 2.5 N·m			
 for auxiliary containing 	acts with screw-type ter	minals	0.8 1.2 N·m			
design of screwdriver	' shaft		Diameter 5 6 mm			
size of the screwdrive	er tip		Pozidriv PZ 2			
design of the thread o	of the connection scre	w				
 for main contacts 	;		M4			
 of the auxiliary ar 	nd control contacts		M3			
Safety related data						
failure rate [FIT] with lov 31920	w demand rate accordir	ng to SN	50 FIT			
MTTF with high dema	nd rate		2 280 y			
T1 value for proof test i IEC 61508		cording to	20 у			
protection class IP on 60529	the front according to	DIEC	IP20			
touch protection on th Display	he front according to I	EC 60529	finger-safe, for vertical cont	act from the front		
display version for swite	ching status		Slide switch			
Certificates/ approvals		_				
(SA)		<u>Confirmatior</u>		EHC	K ATEX	
For use in hazard- ous locations	Declaration of Confor	mity	Test Certificates		Marine / Shipping	
IECEx	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certifi</u> ate	C-	
Marine / Shipping						
BUREAU VERITAS		Hoyds Register urs	PRS	RINA	RMRS	
other	Railway					
<u>Confirmation</u>	Vibration and Shock					

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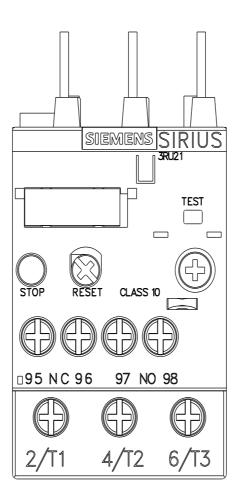


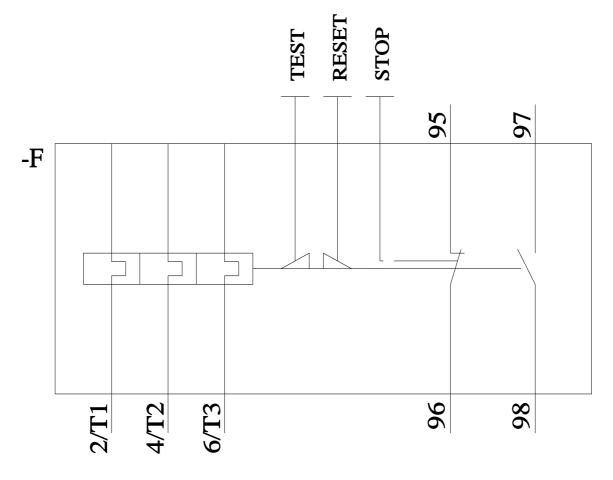


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SIEMENS

Data sheet

FAMCهايپرصنعت

3RU2126-4AB0



Overload relay 11...16 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	ay
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	specific	S0	
power loss [W] for rated value of the current at AC operating state	C in hot	8.1 W	
per pole		2.7 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
 during transport 		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	11 16 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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S E-mail: info@famcocorp.com	💽 Tel	:071- ۴ ۸ ० ० ० ۴ ۹	تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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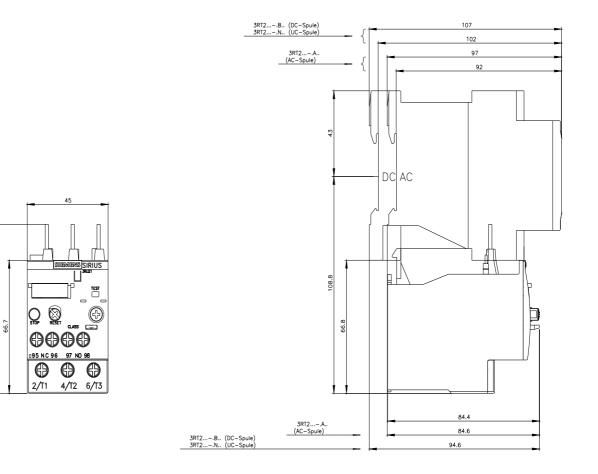
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			FAMC پرمىنعت	'n
operational current rated value	16 A			
operational current at AC-3e at 400 V rated value	16 A			-1-6
operating power			يرمىعت	يلع
• at AC-3			• •	
— at 400 V rated value	7.5 kW			
— at 500 V rated value	7.5 kW			
— at 690 V rated value	11 kW			
• at AC-3e				
— at 400 V rated value	7.5 kW			
— at 500 V rated value	7.5 kW			
— at 690 V rated value	11 kW			
Auxiliary circuit				
design of the auxiliary switch	integrated			
number of NC contacts for auxiliary contacts	1			
note	for contactor discon	nection		
number of NO contacts for auxiliary contacts	1			
note	for message "Trippe	d"		
number of CO contacts for auxiliary contacts	0	u .		
operational current of auxiliary contacts at AC-15	0			
• at 24 V	3 A			
• at 24 V • at 110 V	3 A 3 A			
• at 120 V	3 A			
• at 125 V	3 A			
• at 230 V	2 A			
• at 400 V	1 A			
operational current of auxiliary contacts at DC-13	0.4			
• at 24 V	2 A			
• at 60 V	0.3 A			
• at 110 V	0.22 A			
• at 125 V	0.22 A			
• at 220 V	0.11 A			
contact rating of auxiliary contacts according to U	L B600 / R300			
Protective and monitoring functions				
trip class	CLASS 10			
design of the overload release	thermal			
JL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
• at 480 V rated value	16 A			
• at 600 V rated value	16 A			
Short-circuit protection				
design of the fuse link				
 for short-circuit protection of the auxiliary switch 	fuse gG: 6 A, quick:	10 A		
required				
nstallation/ mounting/ dimensions				
mounting position	any			
fastening method	Contactor mounting			
height	85 mm			
width	45 mm			
depth	85 mm			
Connections/ Terminals				
product component removable terminal for auxilia	ry No			
and control circuit				
type of electrical connection				
 for main current circuit 	screw-type terminal			
 for auxiliary and control circuit 	screw-type terminal	5		
arrangement of electrical connectors for main curr	Top and bottom			
circuit				
type of connectable conductor cross-sections				
 for main contacts 		$(2 E + 10 mm^2)$		
المعالما معطيت بالمعا		x (2.5 10 mm ²)		
— solid or stranded	2x (1 2.5 mm²), 2			
— solid or stranded				
	2x (1 2.5 mm²), 2	ر منطق کرچ (جادہ مخصوص کرچ) فت پارس ، پلاک ۱۲		

finally atron	adad with core and proce	opping	2× (1	2.5 mm²) 2v /2.5	6 mm²) 1/ 10 mm	FAMC پر منعت	Ċ
-	nded with core end proce for main contacts	essing		I 2.5 mm ²), 2x (2.5 I6 12), 2x (14 8)	omm-), ix iomm		
	conductor cross-secti	ons				يرصعت	ھاي
 for auxiliary con 	ntacts					•	
— solid or str).5 1.5 mm²), 2x (0.75			
-	nded with core end proce	essing).5 1.5 mm²), 2x (0.75	2.5 mm²)		
	for auxiliary contacts		2x (2	20 16), 2x (18 14)			
tightening torque	ts with screw-type termin	nals	2	2.5 N·m			
	tacts with screw-type termination			1.2 N·m			
design of screwdrive				neter 5 6 mm			
size of the screwdriv	ver tip		Pozi	driv PZ 2			
design of the thread	of the connection scre	ew					
 for main contact 			M4				
	and control contacts		M3				
Safety related data			50.5		_		
31920	low demand rate accord	ing to SN	50 F				
MTTF with high dem		ocording to	2 28	0 у			
IEC 61508	t interval or service life a	iccording to	20 y				
protection class IP c 60529	on the front according	to IEC	IP20				
touch protection on Display	the front according to	IEC 60529	finge	er-safe, for vertical conta	ct from the front		
display version for sw	itching status		Slide	e switch			
Certificates/ approval	S						
General Product Ap		<u>Confirmatic</u>	<u>on</u>	(UL)	EAC	For use in hazard- ous locations	
For use in hazard- ous locations	Declaration of Confo	ormity		Test Certificates		Marine / Shipping	
KEx ATEX	UK CA	CE EG-Konf.		<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific</u> ates/Test Report		
Marine / Shipping							
BUREAU VERITAS		Lloyd's Register uis		PRS	RINA	RMRS	
other	Railway						
Confirmation	Vibration and Shock						

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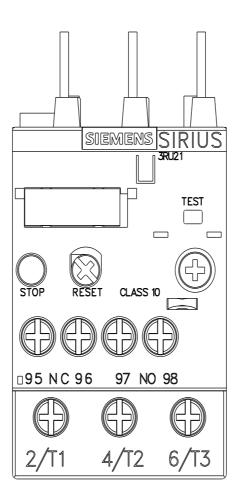


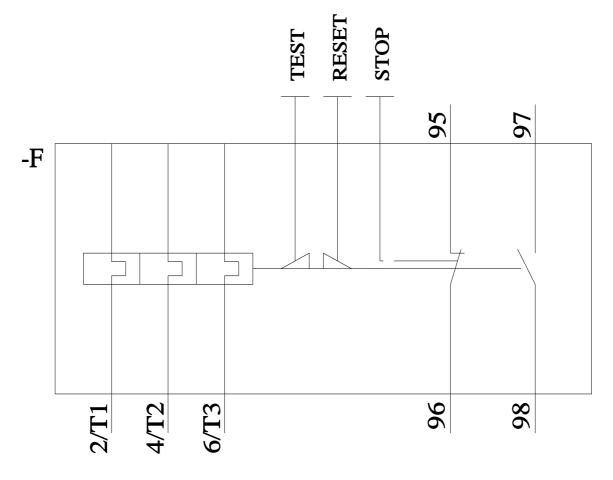


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SIEMENS

Data sheet

FAMCهايپرصنعت

3RU2126-4BB0



Overload relay 14...20 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

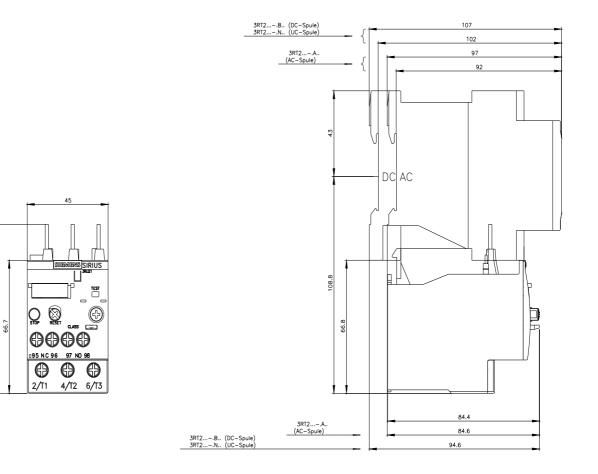
product brand name		SIRIUS	
product designation		thermal overload rel	lay
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	-	SO	
power loss [W] for rated value of the current at AC operating state	C in not	8.1 W	
• per pole		2.7 W	
insulation voltage with degree of pollution 3 at AC value	C rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27	,	8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00)1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	timum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
during transport		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	the	14 20 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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				FAMC پرمىنعت	'n
operational current rated value		20 A			
operational current at AC-3e at 400 V rated value		20 A			.1.4
operating power				يرسحت	
• at AC-3				•	
— at 400 V rated value		7.5 kW			
— at 500 V rated value		11 kW			
— at 690 V rated value		15 kW			
• at AC-3e					
— at 400 V rated value		7.5 kW			
— at 500 V rated value		11 kW			
— at 690 V rated value		15 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC-	-15				
• at 24 V		3 A			
• at 24 V • at 110 V		3 A			
• at 120 V		3 A			
• at 120 V • at 125 V		3 A			
• at 125 V • at 230 V		2 A			
• at 200 V • at 400 V		1 A			
operational current of auxiliary contacts at DC-	-13				
• at 24 V	10	2 A			
• at 24 V • at 60 V		2 A 0.3 A			
• at 50 V • at 110 V		0.3 A 0.22 A			
• at 10 V • at 125 V		0.22 A 0.22 A			
• at 125 V • at 220 V		0.22 A 0.11 A			
• at 220 V contact rating of auxiliary contacts according t	to III	B600 / R300			
Contact rating of auxiliary contacts according t Protective and monitoring functions		D0007 K300			
		CLASS 40			
trip class		CLASS 10 thermal			
design of the overload release UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor		00.4			
at 480 V rated value		20 A			
at 600 V rated value		20 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary sw required 	/itch	fuse gG: 6 A, quick:	10 A		
required					
nstallation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for aux and control circuit	xiliary	No			
type of electrical connection					
		corout tupo tormin-l	6		
 for main current circuit for auxiliany and control circuit 		screw-type terminal			
for auxiliary and control circuit	ourrop4	screw-type terminal	3		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections					
for main contacts					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
			(_
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E-mail: info@famcocorp.com	(2) Fax	<:071 - ዙዙዓዓዙንዙነ	فت پارس، پلاک ۱۲	روبروی پالایشگاه ن	
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	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm
 finely stranded with core end processing at AWG cables for main contacts 	
type of connectable conductor cross-sections	عايب رصنعت (14 8)
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
tightening torque	
 for main contacts with screw-type terminals 	2 2.5 N·m
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 6 mm
size of the screwdriver tip	Pozidriv PZ 2
design of the thread of the connection screw	
 for main contacts 	M4
 of the auxiliary and control contacts 	M3
Safety related data	
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
MTTF with high demand rate	2 280 y
T1 value for proof test interval or service life according to IEC 61508	20 y
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the front
display version for switching status	Slide switch
Certificates/ approvals	
For use in hazard- ous locations Declaration of Conformity	Test Certificates Marine / Shipping
IECEX CE UR IECEX EG-Konf.	Special Test Certific- ate ates/Test Report
Marine / Shipping	
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other Railway	
Confirmation Vibration and Shock	

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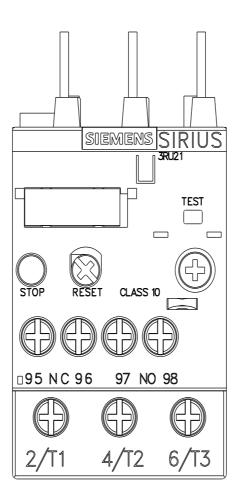


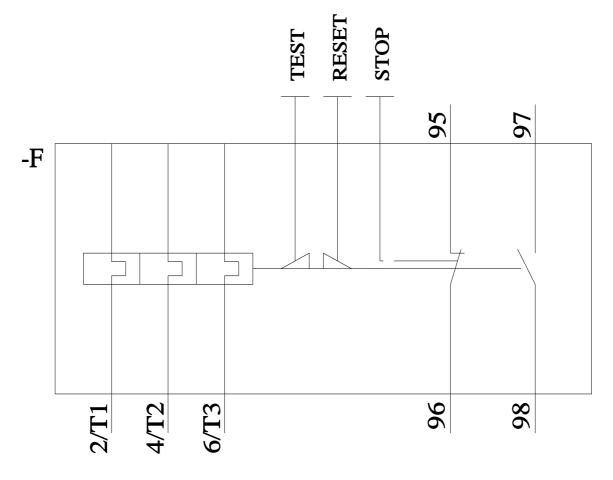


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Data sheet

FAMCهايپرصنعت

3RU2126-4CB0



Overload relay 17...22 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	ау
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	specific	S0	
power loss [W] for rated value of the current at AC operating state	C in hot	8.1 W	
• per pole		2.7 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	Ð	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
 during transport 		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	17 22 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
⊚ w w w . f a m c o c o r p . c o m	🚺 Tel	:01)- 4 V 0 0 0 4 9	تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
E-mail: info@famcocorp.com	🕞 Fa	X:071 - ዙዙብብዙንዙነ	روبـروی پالایشگاه نفت پـارس، پلاک ۱۴

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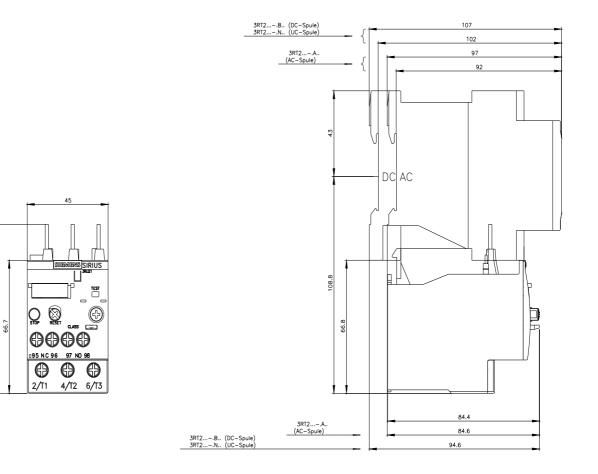
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operational current rated value		22 A			
operational current at AC-3e at 400 V rated value	!	22 A			-la
operating power				يرمىعت	מטיי
• at AC-3				Ŧ	
— at 400 V rated value		11 kW			
— at 500 V rated value		11 kW			
— at 690 V rated value		18.5 kW			
• at AC-3e					
— at 400 V rated value		11 kW			
— at 500 V rated value		11 kW			
— at 690 V rated value		18.5 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15				
• at 24 V		3 A			
● at 110 V		3 A			
● at 120 V		3 A			
● at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13				
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		22 A			
• at 600 V rated value		22 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary st 	witch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au	ixiliary	No			
and control circuit	-				
type of electrical connection					
 for main current circuit 		screw-type terminal			
 for auxiliary and control circuit 		screw-type terminal	S		
arrangement of electrical connectors for main	current	Top and bottom			
circuit					
type of connectable conductor cross-sections	5				
for main contacts		$2x(1 - 2Emm^2) = 0$	$x(25 - 10 mm^2)$		
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 IIIII ⁻)		
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-	nded with core end proces for main contacts	sing	2x (1 2.5 mm ²), 2x (2.5			
	conductor cross-sectio	ns	2x (16 12), 2x (14 8)		ىرمىنعت	ھار
 for auxiliary con 						••
— solid or str			2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
— finely strar	nded with core end proces	sing	2x (0.5 1.5 mm²), 2x (0.7			
at AWG cables	for auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque						
	ts with screw-type terminate		2 2.5 N·m			
	tacts with screw-type terr	ninals	0.8 1.2 N·m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv	-		Pozidriv PZ 2			
-	of the connection screw	N	N44			
 for main contact 			M4 M3			
Safety related data	and control contacts	_	IVI3			
	low demand rate accordir	g to SN	50 FIT			
MTTF with high dem	and rate		2 280 y			
	t interval or service life ac	cording to	20 y			
protection class IP c 60529	on the front according to	IEC	IP20			
touch protection on Display	the front according to I	EC 60529	finger-safe, for vertical cont	act from the front		
display version for sw	itching status		Slide switch			
Certificates/ approval	S					
SP.	CCC	<u>Confirmation</u>		EHC	KEx ATEX	
For use in hazard- ous locations	Declaration of Confor	mity	Test Certificates		Marine / Shipping	
IECEx IECEx	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS	
Marine / Shipping						
BUREAU VERITAS		Lloyds Kegister us	PRS	RINA	RMRS	
other	Railway					
<u>Confirmation</u>	Vibration and Shock					

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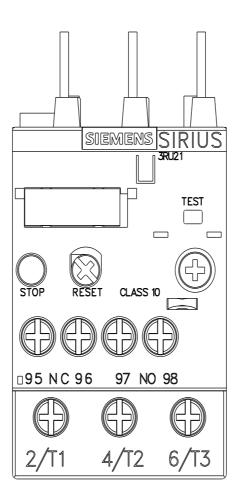


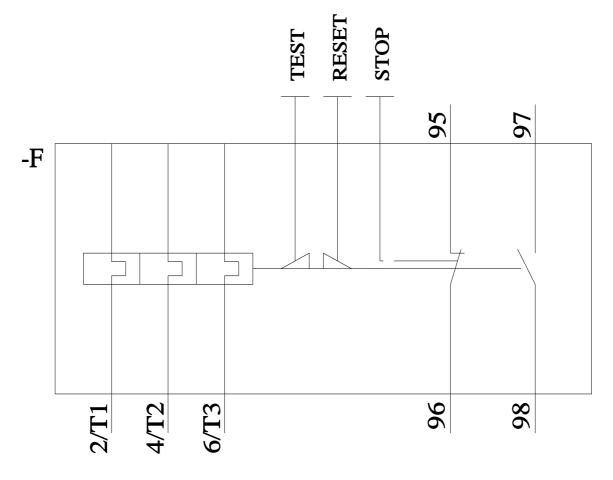


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FAMCهايپرصنعت

3RU2126-4DB0

Data sheet



Overload relay 20...25 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	ау
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	specific	S0	
power loss [W] for rated value of the current at A0 operating state	C in hot	8.1 W	
per pole		2.7 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
during transport		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	20 25 A	
operating voltage			
 rated value 		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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	🚺 Tel	:01)- 4 V o o o 6 4	تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرچ)
E-mail: info@famcocorp.com	🕞 Fa	X:0₽1 - ዙዙዓዓዙያዙነ	روبـروی پالایشگاه نفت پارس، پلاک ۱۲

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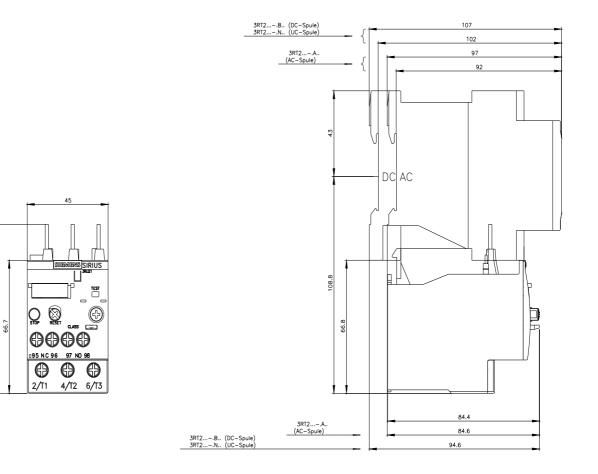
				۲۹۹۸ پـرمىنعت	Ċ
operational current rated value		25 A			
operational current at AC-3e at 400 V rated value	•	25 A			-la
operating power				يرمىعت	מטי
• at AC-3				•	•••
— at 400 V rated value		11 kW			
— at 500 V rated value		15 kW			
— at 690 V rated value		22 kW			
• at AC-3e					
— at 400 V rated value		11 kW			
— at 500 V rated value		15 kW			
— at 690 V rated value		22 kW			
		ZZ KVV			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	2-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
		2 A			
• at 230 V					
• at 400 V		1 A			
operational current of auxiliary contacts at DC	2-13				
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		25 A			
at 400 V rated value at 600 V rated value		25 A			
		25 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary system 	witch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au	vilian	No			
and control circuit	i Allidi y	NU			
type of electrical connection					
for main current circuit		screw-type terminal	s		
 for main current circuit for auxiliary and control circuit 		screw-type terminal			
	current		3		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections					
for main contacts	-				
— solid or stranded		2x (1 2.5 mm²), 2	$x (2.5 \pm 10 \text{ mm}^2)$		
		ZA (1 2.0 mm), Z	x (2.0 10 mm)		
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-	nded with core end proces for main contacts	sing	2x (1 2.5 mm ²), 2x (2.5			
	conductor cross-sectio	ns	2x (16 12), 2x (14 8)		ىرمىنعت	ھار
 for auxiliary con 					- *	••
— solid or str			2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
— finely strar	nded with core end proces	sing	2x (0.5 1.5 mm²), 2x (0.7			
at AWG cables	for auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque						
	ts with screw-type terminate		2 2.5 N·m			
	tacts with screw-type terr	ninals	0.8 1.2 N·m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv	-		Pozidriv PZ 2			
-	of the connection screw	N	N44			
 for main contact 			M4 M3			
Safety related data	and control contacts	_	IVI3			
	low demand rate accordir	g to SN	50 FIT			
MTTF with high dem	and rate		2 280 y			
	t interval or service life ac	cording to	20 y			
protection class IP c 60529	on the front according to	IEC	IP20			
touch protection on Display	the front according to I	EC 60529	finger-safe, for vertical cont	act from the front		
display version for sw	itching status		Slide switch			
Certificates/ approval	S					
SP.	CCC	<u>Confirmation</u>		EHC	KEx ATEX	
For use in hazard- ous locations	Declaration of Confor	mity	Test Certificates		Marine / Shipping	
IECEx IECEx	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS	
Marine / Shipping						
BUREAU VERITAS		Lloyds Kegister us	PRS	RINA	RMRS	
other	Railway					
<u>Confirmation</u>	Vibration and Shock					

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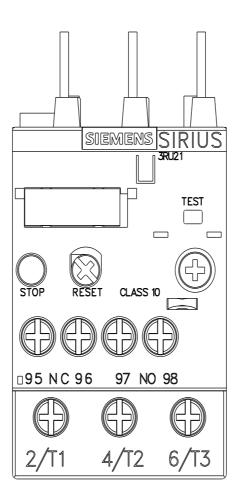


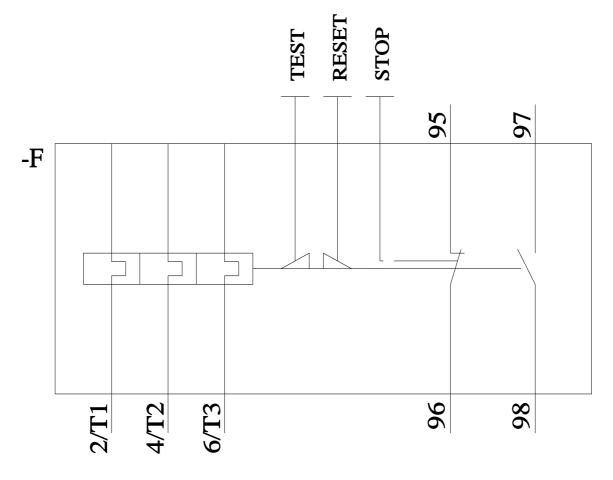


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SIEMENS

Data sheet

FAMCهايپرصنعت

3RU2126-4EB0



Overload relay 27...32 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS	
product designation		thermal overload rel	ay
product type designation		3RU2	
General technical data			
size of overload relay		S0	
size of contactor can be combined company-s	specific	S0	
power loss [W] for rated value of the current at AC operating state	C in hot	9.6 W	
• per pole		3.2 W	
insulation voltage with degree of pollution 3 at AC value	c rated	690 V	
surge voltage resistance rated value		6 kV	
maximum permissible voltage for protective separation in networks with grounded star po	int		
 between auxiliary and auxiliary circuit 		440 V	
 between auxiliary and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
 between main and auxiliary circuit 		440 V	
shock resistance according to IEC 60068-2-27		8g / 11 ms	
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD	
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1
reference code according to IEC 81346-2		F	
Substance Prohibitance (Date)		10/01/2009	
Ambient conditions			
installation altitude at height above sea level max	imum	2 000 m	
ambient temperature			
 during operation 		-40 +70 °C	
 during storage 		-55 +80 °C	
 during transport 		-55 +80 °C	
temperature compensation		-40 +60 °C	
relative humidity during operation		10 95 %	
Main circuit			
number of poles for main current circuit		3	
adjustable current response value current of t current-dependent overload release	he	27 32 A	
operating voltage			
rated value		690 V	
 at AC-3e rated value maximum 		690 V	
operating frequency rated value		50 60 Hz	
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	🕞 Fa	X:071 - 66996666	روبـروی پالایشگاه نفت پارس، پلاک ۱۲

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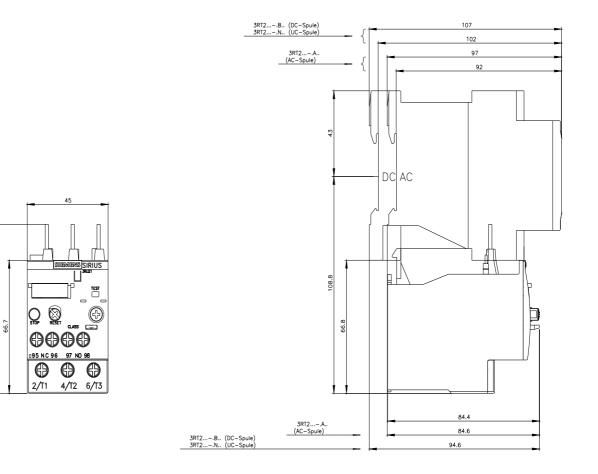
				۲۹۹۸ پـرمىنعت	'n
operational current rated value		32 A			
operational current at AC-3e at 400 V rated value		32 A			
operating power				يرمىعت	מטי
• at AC-3				Ť	••
— at 400 V rated value		15 kW			
— at 500 V rated value		18.5 kW			
— at 690 V rated value		30 kW			
• at AC-3e					
— at 400 V rated value		15 kW			
— at 500 V rated value		18.5 kW			
— at 690 V rated value		30 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15	· · ·			
• at 24 V	-15	3 A			
• at 24 V		3 A			
• at 120 V		3 A 3 A			
		3 A 3 A			
• at 125 V		3 A 2 A			
• at 230 V					
• at 400 V	40	1 A			
operational current of auxiliary contacts at DC	-13	0.4			
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value		32 A			
• at 600 V rated value		32 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synapsis 	vitch	fuse gG: 6 A, quick:	10 A		
required					
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	xiliary	No			
type of electrical connection					
for main current circuit		screw type torminal	6		
		screw-type terminal			
for auxiliary and control circuit arrangement of electrical connectors for main	current	screw-type terminal	3		
circuit	current	Top and bottom			
type of connectable conductor cross-sections					
for main contacts					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
	🚺 Tel	:०४१– ۴ ४ ० ० ० ० ۴ १	گراه لشگری (جاده مخصوص کرج)	تهران ، کیلومتر ۲۱ بزرهٔ	
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			0 (4 0 5 - 2) 0 (6 5		FAMC پرمنعت	Ċ
 finely strar at AWG cables 	ided with core end proces	-	2x (1 2.5 mm ²), 2x (2.5 2x (16 12), 2x (14 8)	. 6 mm²), 1x 10 mm		-
	conductor cross-sectio		2X (10 12), 2X (14 0)		يرمنعت	ھار
 for auxiliary con 						•
— solid or str			2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
— finely strar	nded with core end proces	ssing	2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
 at AWG cables 	for auxiliary contacts		2x (20 16), 2x (18 14)			
tightening torque						
	ts with screw-type termin		2 2.5 N·m			
	tacts with screw-type ter		0.8 1.2 N·m			
design of screwdrive			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
• for main contac	of the connection screw		M4			
	and control contacts		M3			
Safety related data		_	IVI5	_		
	ow demand rate accordir	ng to SN	50 FIT			
MTTF with high dem	and rate		2 280 y			
_	t interval or service life ac		20 y			
60529	on the front according to		IP20			
touch protection on Display	the front according to I	EC 60529	finger-safe, for vertical cont	act from the front		
display version for sw	itching status		Slide switch			
Certificates/ approval	s					
(SP)	<u>Confirmation</u>		U	EAC	ous locations	
For use in hazard- ous locations	Declaration of Confor	mity	Test Certificates		Marine / Shipping	
KEX ATEX	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific ate	ABS	
Marine / Shipping						
B D R E A U VERITAS		Lloyd's Register uts	PRS	RINA	RMAS	
other	Railway					
Confirmation	Vibration and Shock					

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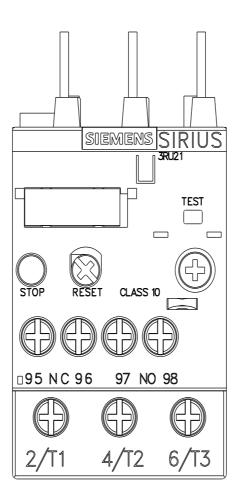


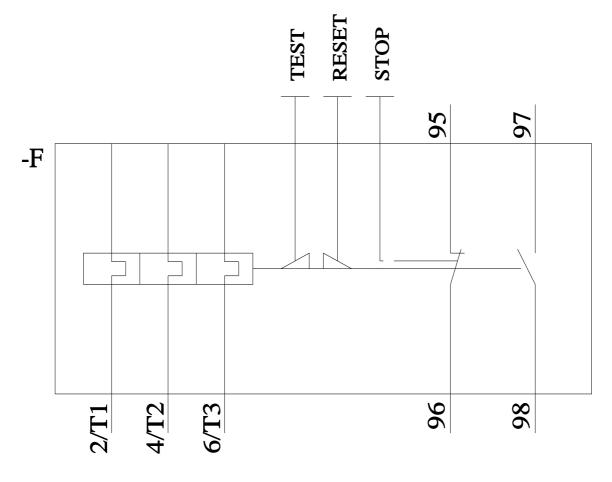


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Data sheet

FAMCهايپرصنعت

3RU2126-4FB0



Overload relay 34...40 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ау	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	-	S0		
power loss [W] for rated value of the current at A0 operating state	C in hot	9.6 W		
• per pole		3.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
during transport		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	34 40 A		
operating voltage				
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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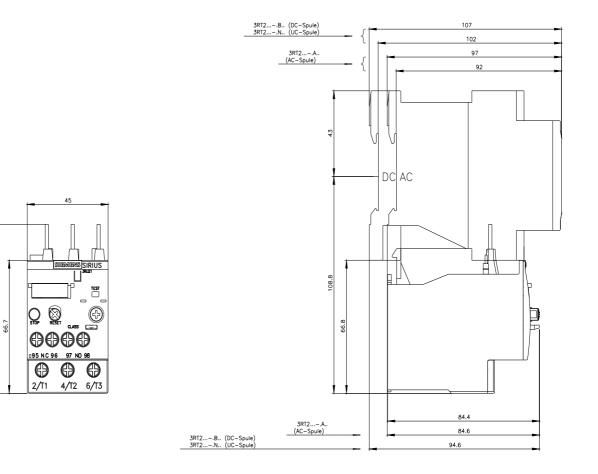
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			FAMC پـرمىنعت	'n
operational current rated value	40 A			U
operational current at AC-3e at 400 V rated value	40 A			
operating power	-1077		ىرمىنىت	ھار
• at AC-3			- *	••
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	37 kW			
• at AC-3e				
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	37 kW			
Auxiliary circuit	01 KW			
design of the auxiliary switch	integrated			
number of NC contacts for auxiliary contacts	integrated			
note	for contactor disconn	ection		
	1	ection		
number of NO contacts for auxiliary contacts note 		4"		
	for message "Tripped 0	1		
number of CO contacts for auxiliary contacts	0			
operational current of auxiliary contacts at AC-15 • at 24 V	3 A			
	3 A 3 A			
● at 110 V ● at 120 V	3 A 3 A			
• at 125 V	3 A			
• at 230 V	2 A			
• at 400 V	1 A			
operational current of auxiliary contacts at DC-13	2.4			
• at 24 V	2 A			
• at 60 V	0.3 A			
• at 110 V	0.22 A			
● at 125 V ● at 220 V	0.22 A 0.11 A			
contact rating of auxiliary contacts according to UL	B600 / R300			
Protective and monitoring functions				
trip class	CLASS 10			
design of the overload release	thermal			
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor	10.4			
• at 480 V rated value	40 A			
• at 600 V rated value	40 A			
Short-circuit protection				
design of the fuse link				
 for short-circuit protection of the auxiliary switch 	fuse gG: 6 A, quick: 7	10 A		
required				
Installation/ mounting/ dimensions				
mounting position	any			
fastening method	Contactor mounting			
height	85 mm			
width	45 mm			
depth	85 mm			
Connections/ Terminals				
product component removable terminal for auxiliary	No			
and control circuit				
type of electrical connection				
for main current circuit	screw-type terminals			
for auxiliary and control circuit	screw-type terminals			
arrangement of electrical connectors for main current circuit	Top and bottom			
type of connectable conductor cross-sections				
for main contacts				
— solid or stranded	2x (1 2.5 mm²), 2x	(2.5 10 mm ²)		
				<u> </u>
Page 2/5 🖾 E-mail: info@famcocorp.com	el:071-FA0000F9	نراه لشگری (جاده مخصوص کرج)	vithout noticeتهران، کیلومتر ۲۱ بزرگ ight Siemens روبروی پالایشگاه ن	
G @famco_group	ax:∘۲1 - ۴۴۹۹۴۶۴۲	فت پارس، پلاک ۱۲	وبروی پالایشگاه : روبروی پالایشگاه :	

					FAMC پرمنعت	'n
-	nded with core end proce for main contacts		2x (1 2.5 mm²), 2x (2.5 2x (16 12), 2x (14 8)	. 6 mm²), 1x 10 mm		
	conductor cross-section		2x (10 12), 2x (14 0)		ىرمىنعت	ھار
 for auxiliary cor 						••
— solid or str		2	2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm ²)		
	nded with core end proce		2x (0.5 1.5 mm²), 2x (0.7			
-	for auxiliary contacts	-	2x (20 16), 2x (18 14)	o 2.0 mm /		
tightening torque						
	ts with screw-type termin	als 2	2 2.5 N·m			
	ntacts with screw-type ter).8 1.2 N·m			
design of screwdriv			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
	of the connection scre					
 for main contact 			M 4			
	and control contacts		vi- vi3			
-		ľ	vio			
	low demand rate accordin	ng to SN 5	50 FIT			
31920						
	nand rate t interval or service life ad		2 280 y 20 y			
	on the front according t	o IEC I	P20			
60529 touch protection on	the front according to I	EC 60529 f	inger-safe, for vertical cont	act from the front		
Display						
display version for sw	vitching status	S	Slide switch			
Certificates/ approval						
General Product Ap	oproval				For use in hazard- ous locations	
(SP)	<u>Confirmation</u>			EHC	ATEX	
For use in hazard- ous locations	Declaration of Confo	rmity	Test Certificates		Marine / Shipping	
IECEx	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific</u> <u>ate</u>	E ABS	
Marine / Shipping						
B UREAU VERITAS		Lloyds Register us	PRS	RINA	RMRS	
other	Railway					
<u>Confirmation</u>	Vibration and Shock					

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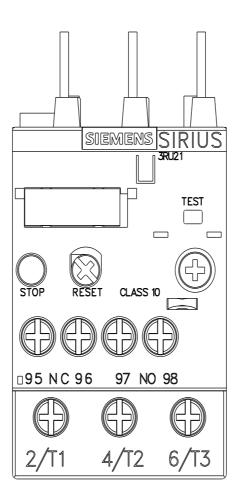


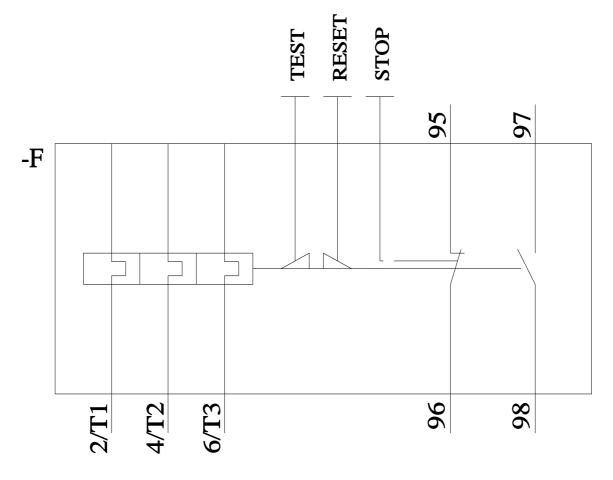


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Data sheet

FAMCهايپرصنعت

3RU2126-4NB0



Overload relay 23...28 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at A0 operating state	C in hot	9.6 W		
• per pole		3.2 W		
insulation voltage with degree of pollution 3 at AC value	C rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	1	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
during transport		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	23 28 A		
operating voltage				
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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	C Tel	:071- ۴ ۷ 0 0 0 6 8	تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرچ)	
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operational current rated value		28 A			
operational current at AC-3e at 400 V rated value	;	28 A			
operating power				يرمىعت	מטי
• at AC-3				Ť	••
— at 400 V rated value		15 kW			
— at 500 V rated value		18.5 kW			
— at 690 V rated value		22 kW			
● at AC-3e					
— at 400 V rated value		15 kW			
— at 500 V rated value		18.5 kW			
— at 690 V rated value		22 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	èd"		
number of CO contacts for auxiliary contacts		0			
operational current of auxiliary contacts at AC	-15	0			
• at 24 V	-10	3 A			
• at 24 v • at 110 V		3 A			
• at 120 V		3 A 3 A			
		3 A 3 A			
• at 125 V		• • •			
• at 230 V		2 A			
• at 400 V	2.40	1 A			
operational current of auxiliary contacts at DC	5-13	0.4			
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to UL	B600 / R300			
Protective and monitoring functions					
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor		00.4			
at 480 V rated value		28 A			
at 600 V rated value		28 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synapsical 	witch	fuse gG: 6 A, quick:	10 A		
required Installation/ mounting/ dimensions					
		0.01/			
mounting position		any Contactor mounting			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	uxiliary	No			
type of electrical connection					
for main current circuit		screw-type terminal	8		
 for main current circuit for auxiliary and control circuit 		screw-type terminal			
arrangement of electrical connectors for main	current	Top and bottom			
circuit					
type of connectable conductor cross-sections	3				
 for main contacts 					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
	1		1		
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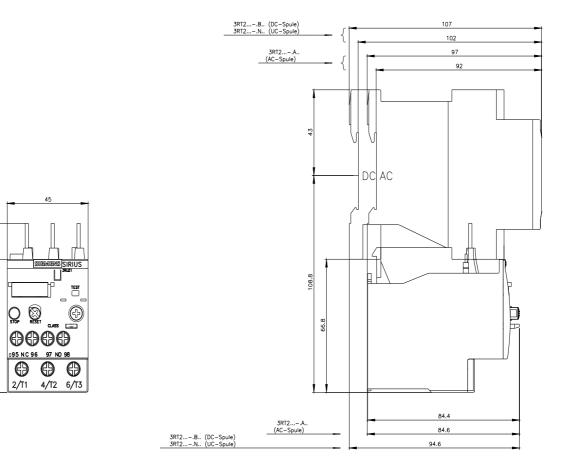
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-	nded with core end proce	ssing	2x (1 2.5 mm ²), 2x (2.5	. 6 mm²), 1x 10 mm		· ·
	for main contacts conductor cross-section	ne	2x (16 12), 2x (14 8)		ىرمىنعت	ھار
 for auxiliary cor 		5115			- *	••
— solid or str			2x (0.5 1.5 mm²), 2x (0.7	5 2.5 mm²)		
— finely strar	nded with core end proce	ssing	2x (0.5 1.5 mm²), 2x (0.7			
-	for auxiliary contacts	-	2x (20 16), 2x (18 14)			
tightening torque						
 for main contact 	cts with screw-type termir	nals	2 2.5 N·m			
	ntacts with screw-type ter	minals	0.8 1.2 N·m			
design of screwdriv			Diameter 5 6 mm			
size of the screwdriv			Pozidriv PZ 2			
-	l of the connection scre	W				
 for main contact 			M4			
-	and control contacts		M3			
Safety related data failure rate [FIT] with 31920	low demand rate accordi	ng to SN	50 FIT			
MTTF with high dem	and rate		2 280 y			
_	t interval or service life a	ccording to	20 y			
protection class IP o 60529	on the front according t	o IEC	IP20			
touch protection on Display	the front according to	IEC 60529	finger-safe, for vertical cont	act from the front		
display version for sw	vitching status		Slide switch			
Certificates/ approval	S					
SA SA	CCC	<u>Confirmation</u>	• ()	EAC	ATEX	
For use in hazard- ous locations	Declaration of Confo	rmity	Test Certificates		Marine / Shipping	
IECE×	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific- ates/Test Report</u>	ABS	
Marine / Shipping						
BUREAU VERITAS		Lloyd's Register urs	PRS	RINA	RMRS	
other	Railway					
Confirmation	Vibration and Shock					

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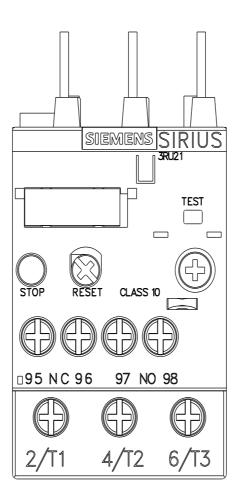


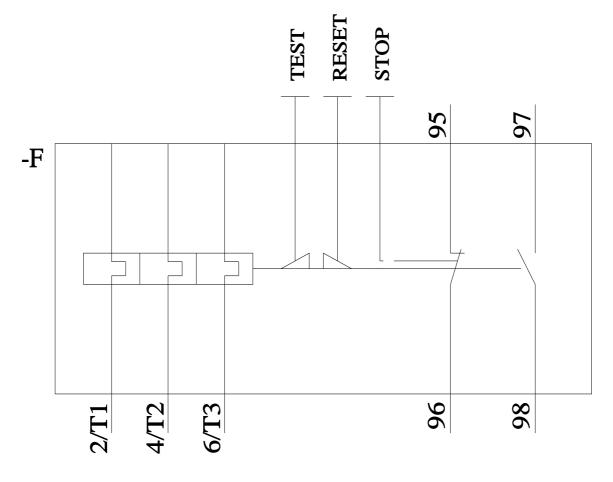


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3RU2126-4PB0

Data sheet



Overload relay 30...36 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name		SIRIUS		
product designation		thermal overload rel	ay	
product type designation		3RU2		
General technical data				
size of overload relay		S0		
size of contactor can be combined company-s	specific	S0		
power loss [W] for rated value of the current at A0 operating state	C in hot	9.6 W		
• per pole		3.2 W		
insulation voltage with degree of pollution 3 at AC value	c rated	690 V		
surge voltage resistance rated value		6 kV		
maximum permissible voltage for protective separation in networks with grounded star po	int			
 between auxiliary and auxiliary circuit 		440 V		
 between auxiliary and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
 between main and auxiliary circuit 		440 V		
shock resistance according to IEC 60068-2-27		8g / 11 ms		
type of protection according to ATEX directive 2014/34/EU	9	Ex II (2) GD		
certificate of suitability according to ATEX directiv 2014/34/EU	/e	DMT 98 ATEX G 00	11	
reference code according to IEC 81346-2		F		
Substance Prohibitance (Date)		10/01/2009		
Ambient conditions				
installation altitude at height above sea level max	imum	2 000 m		
ambient temperature				
 during operation 		-40 +70 °C		
 during storage 		-55 +80 °C		
during transport		-55 +80 °C		
temperature compensation		-40 +60 °C		
relative humidity during operation		10 95 %		
Main circuit				
number of poles for main current circuit		3		
adjustable current response value current of t current-dependent overload release	he	30 36 A		
operating voltage		-		
rated value		690 V		
 at AC-3e rated value maximum 		690 V		
operating frequency rated value		50 60 Hz		
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				FAMC پـرصنعت	'n
operational current rated value		36 A			J.
operational current at AC-3e at 400 V rated value		36 A		•• _•	
operating power				يرمنعت	ھاب
• at AC-3				- ;	••
— at 400 V rated value		18.5 kW			
— at 500 V rated value		22 kW			
— at 690 V rated value		30 kW			
• at AC-3e					
— at 400 V rated value		18.5 kW			
— at 500 V rated value		22 kW			
— at 690 V rated value		30 kW			
Auxiliary circuit					
design of the auxiliary switch		integrated			
number of NC contacts for auxiliary contacts		1			
• note		for contactor discon	nection		
number of NO contacts for auxiliary contacts		1			
• note		for message "Trippe	ed"		
number of CO contacts for auxiliary contacts		0	-		
operational current of auxiliary contacts at AC	-15				
• at 24 V		3 A			
• at 110 V		3 A			
• at 120 V		3 A			
• at 125 V		3 A			
• at 230 V		2 A			
• at 400 V		1 A			
operational current of auxiliary contacts at DC	-13	177			
• at 24 V		2 A			
• at 60 V		0.3 A			
• at 110 V		0.22 A			
• at 125 V		0.22 A			
• at 220 V		0.11 A			
contact rating of auxiliary contacts according	to III	B600 / R300			
Protective and monitoring functions		2000/1000			
trip class		CLASS 10			
design of the overload release		thermal			
UL/CSA ratings		therman			
full-load current (FLA) for 3-phase AC motor					
at 480 V rated value		36 A			
at 400 V rated value		36 A			
		30 A			
Short-circuit protection					
design of the fuse link					
 for short-circuit protection of the auxiliary synaptical 	witch	fuse gG: 6 A, quick:	10 A		
required Installation/ mounting/ dimensions					
		0.014			
mounting position		any Contactor mounting			
fastening method		Contactor mounting			
height		85 mm			
width		45 mm			
depth		85 mm			
Connections/ Terminals					
product component removable terminal for au and control circuit	xiliary	No			
type of electrical connection					
for main current circuit		screw-type terminal			
for auxiliary and control circuit		screw-type terminal	S		
arrangement of electrical connectors for main circuit	current	Top and bottom			
type of connectable conductor cross-sections	;				
 for main contacts 					
— solid or stranded		2x (1 2.5 mm²), 2	x (2.5 10 mm²)		
⊗ w w w . famcocorp.com	🜔 Tel	011- F V 0 0 0 0 F J	گراه لشگری (جاده مخصوص کرج)	تهران ، کیلومتر ۲۱ بزرگ	
E-mail: info@famcocorp.com @ @famco_group	🕞 Fax	(:07) - ዙዙዓዓዙያዙነ	فت پارس، پلاک ۱۲		

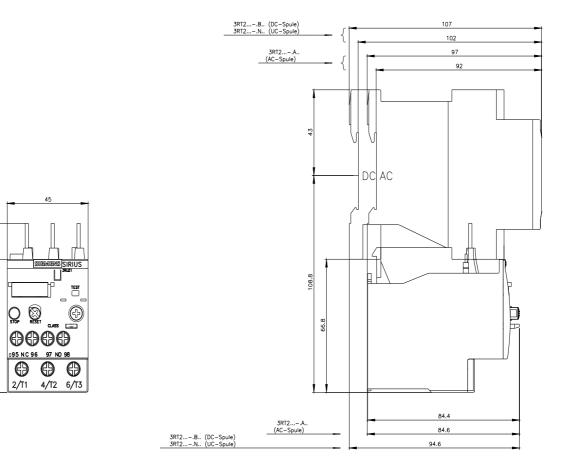
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— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm	FAMC هايپرمىنعت
at AWG cables for main contacts	2x (16 12), 2x (14 8)	
type of connectable conductor cross-sections		مەيپرىمىت
for auxiliary contacts		
— solid or stranded	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)	
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
tightening torque	2 2.5 N·m	
for main contacts with screw-type terminals	2 2.5 N·m 0.8 1.2 N·m	
for auxiliary contacts with screw-type terminals design of screwdriver shaft	Diameter 5 6 mm	
	Pozidriv PZ 2	
size of the screwdriver tip design of the thread of the connection screw		
for main contacts	M4	
 of the auxiliary and control contacts 	M3	
Safety related data	M5	
failure rate [FIT] with low demand rate according to SN 31920	50 FIT	
MTTF with high demand rate	2 280 y	
T1 value for proof test interval or service life according to	2 280 y 20 y	
IEC 61508	20 y	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 Display	finger-safe, for vertical contact from the front	
display version for switching status	Slide switch	
Certificates/ approvals		
General Product Approval		For use in hazard-
		IECEx IECEx
For use in hazard- ous locations Declaration of Conformity	Test Certificates	Marine / Shipping
EG-Konf.	<u>Type Test Certific-</u> <u>Special Test Certific-</u> ates/Test Report <u>ate</u>	ABS
Marine / Shipping		
BUREAU VERITAS	PRS RINA	KIMBS RAMES
other Railway		
Confirmation Vibration and Shock		

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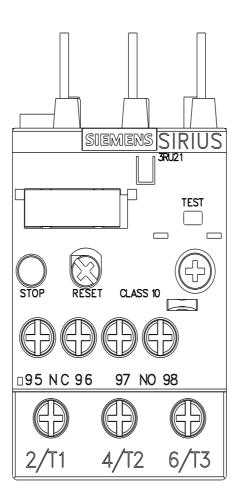


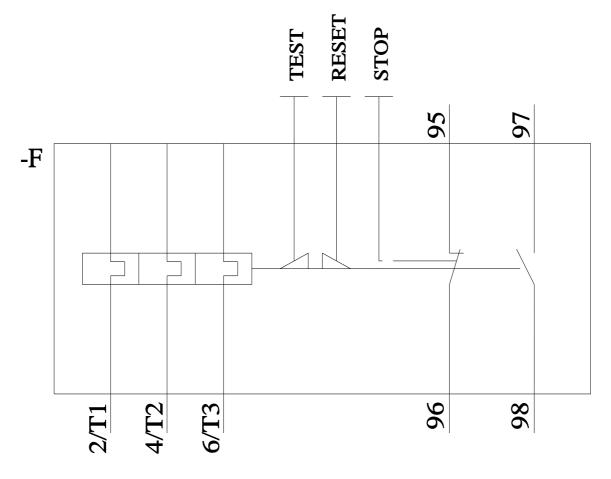


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