SIEMENS

Data sheet

3RU2126-4CC1



Overload relay 17...22 A Thermal For motor protection Size S0, Class 10 Standalone installation Main circuit: Spring-type terminal Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

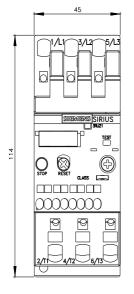
product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	SO
size of contactor can be combined company-specific	SO
power loss [W] for rated value of the current at AC in hot operating state	8.1 W
• per pole	2.7 W
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	17 22 A
operating voltage	
rated value	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	22 A
operational current at AC-3e at 400 V rated value	22 A
operating power	

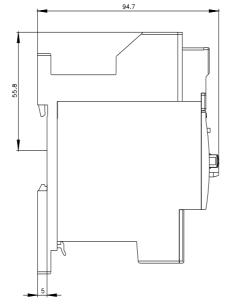
• at AC-3	
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	18.5 kW
• at AC-3e	
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	18.5 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
note	for contactor 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
• at 690 V	0.75 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	
	CLASS 10
trip class	CLASS 10 thermal
trip class design of the overload release	
trip class design of the overload release UL/CSA ratings	
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 22 A
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection	thermal 22 A
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link	thermal 22 A 22 A
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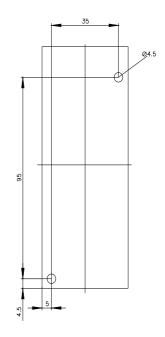
 for auxiliary conta 	cts				
— solid or strar			2x (0.5 2.5 mm²)		
— finely stranded with core end processing		2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)			
— finely strand	ed without core end proc	cessing	2x (0.5 1.5 mm²)		
for AWG cables for auxiliary contacts		2x (20 14)			
design of screwdriver shaft		Diameter 3 mm			
size of the screwdriver	r tip		3,0 x 0,5 mm		
afety related data				_	_
failure rate [FIT] with low		g to SN 31920	50 FIT		
MTTF with high demand rate		2 280 a			
T1 value for proof test interval or service life according to IEC 61508		20 a			
protection class IP on the front according to IEC 60529		IP20			
touch protection on th	e front according to IE	C 60529	finger-safe, for vertical contac	ct from the front	
isplay					
display version for switch	hing status		Slide switch		
ertificates/ approvals		_			
General Product Appr	oval			For use in hazardou	s locations
	Confirmation	\sim			
()))		(UL)) FAF	(Ex)	IECEx
		<u> </u>	′ LIIL		IECEx
ccc -		02		ALEA	IECEA
Declaration of Conform	nity	Test Certifica	ates	Marine / Shipping	
UK	"	Type Test Ce ates/Test Re		San Inc.	
22				a the	("反重")
LH	EG-Konf.			ABS	RUREAU
CH	EG-Konf.			ABS	BUREAU
	EG-Konf.			ABS	BUREAU VERITAS
CA Marine / Shipping	EG-Konf.			ABS	BUREAU VERITAS
	EG-Konf.	A		ABS	other Confirmation
	EG-Konf.	6		ABS	
	EG-Konf.	PRS	RINA	ABS	
Marine / Shipping	Lloyd's Register	PRS	RINA	ABS	
Marine / Shipping	Lloyd's Register	PRS	VIII	ABS	
Marine / Shipping	Lloyd's Register	PRS	EINA	ABS	
Marine / Shipping	Lloyd's Register	PRS	RINA	ABS	
Marine / Shipping	Lloyd's Register	PRS	EINA	ABS	
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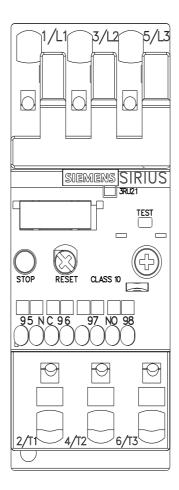
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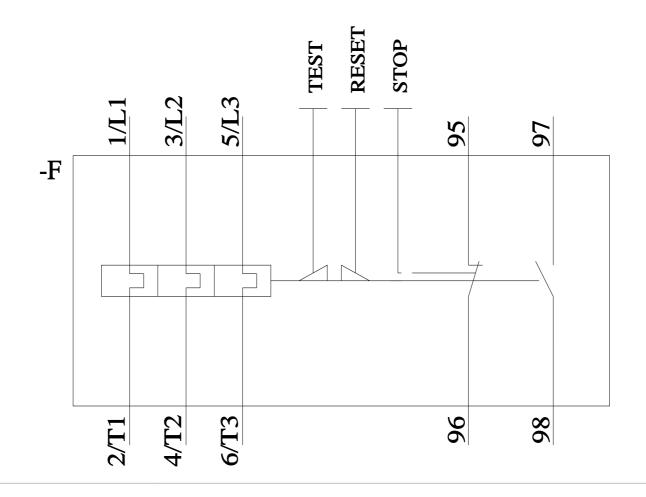
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4CC1&objecttype=14&gridview=view1











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