SIEMENS

Data sheet

3RU2126-4DC0



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

and use brand more			
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 ungrounded star point between auxiliary and auxiliary circuit 	440 V		
 in networks with grounded star point between auxiliary and auxiliary circuit 	440 V		
 in networks with ungrounded star point between main and auxiliary circuit 	440 V		
 in networks with grounded star point between main and auxiliary circuit 	440 V		
shock resistance according to IEC 60068-2-27	8g / 11 ms		
reference code according to IEC 81346-2	F		
Substance Prohibitance (Date)	10/01/2009		
SVHC substance name	Lead - 7439-92-1		
Weight	0.234 kg		
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	20 25 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	25 A		

operational current of AC-3e at 400 V rated value 25 A operating power • at AC-3 - at 400 V rated value 11 kW - at 500 V rated value 22 kW • at AC-3e - at 400 V rated value 11 kW • at 600 V rated value 22 kW • at AC-3e - at 600 V rated value 22 kW • at AC-3e - at 600 V rated value 15 kW - at 600 V rated value 22 kW Auxiliary circuit design of the auxiliary switch integrated number of NC contacts for auxiliary contacts 1 • note for contacts for auxiliary contacts 1 • note for contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • at 24 V • at 120 V • at 24 V • at 120 V • at 24 V • at 24 V • at 24 V • at 22 N • at 24 V • at 25 N • at 24 V • at 25 N • at 24 V • at 25 N • at 22 N • at 24 N • at 25 N • at 26 N • a	
• at AC-3I- at 400 V rated value11 kW- at 500 V rated value22 kW- at 690 V rated value22 kW• at AC-3e at 400 V rated value11 kW- at 500 V rated value15 kW- at 690 V rated value22 kW- at 690 V rated value15 kW- at 690 V rated value22 kWAuxiliary circuitintegrateddesign of the auxiliary switchintegratednumber of NC contacts for auxiliary contacts1• notefor contactor disconnectionnumber of NC contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 120 V3A• at 120 V2A• at 600 V0.3A• at 600 V0.3A• at 600 V0.3A• at 600 V0.3A• at 125 V0.22 A• at 125 V0.22 A• at 125 V0.22 A• at 220 V0.11 A• at 220 V0.011 A• at 220 V0.22 A• at 220 V0.22 A• at 220 V0.22 A• at 25 V0.22 A• at 260 rectoresUL/CSA ratingsTip clasCLASS 10thermalUL/CSA rated value• at 480 V rated value25 A	
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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 	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 25 A	
full-load current (FLA) for 3-phase AC motor 25 A	
• at 480 V rated value 25 A	
at 600 V rated value 25 A	
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the auxiliary switch required fuse gG: 6 A, quick: 10 A	
Installation/ mounting/ dimensions	
mounting position any	
fastening method Contactor mounting	
height 102 mm	
width 45 mm	
depth 84 mm	
Connections/ Terminals	
product component removable terminal for auxiliary and No control circuit	
type of electrical connection	
for main current circuit spring-loaded terminals	
for auxiliary and control circuit spring-loaded terminals	
arrangement of electrical connectors for main current Top and bottom	
type of connectable conductor cross-sections	
for main contacts	
- solid or stranded 1x (1 10 mm ²)	
 — finely stranded with core end processing 1x (1 6 mm²) 	
 — finely stranded without core end processing 1x (1 6 mm²) 	

 for AWG cables 	for main contacts		1x (18	8)			
type of connectable conductor cross-sections							
 for auxiliary con 							
— solid or str			2x (0.5	$5 - 2.5 \mathrm{mm^2}$			
 finely stranded with core end processing finely stranded without core end processing 		2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)					
				. 2.0 mm)			
		2x (0.5 1.5 mm ²)					
for AWG cables for auxiliary contacts			2x (20 14)				
design of screwdriver shaft size of the screwdriver tip			Diameter 3 mm 3,0 x 0,5 mm				
Safety related data			5,0 X 0	,5 mm			
	low demand rate accordi	ng to SN	50 FIT				
failure rate [FIT] with low demand rate according to SN 31920			50 FT				
MTTF with high demand rate			2 280 a				
IEC 61508							
T1 value							
	erval or service life accordi	ng to IEC	20 a	20 a			
61508							
Electrical Safety			IDOO				
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529			IP20		for an the start		
•	the front according to IEC	60529	finger-	safe, for vertical contact	from the front		
Display			Slide s		_	_	
display version for swi	-		Slides	SWILCH			
Approvals Certificates			_				
General Product App	proval						
	EG-Konf.			UK CA	(ŲL)	LHL	
For use in hazardous	s locations			Test Certificates		Marine / Shipping	
K ATEX	IECEx	<u>Miscellaneo</u>	<u>us</u>	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	
Marine / Shipping							
BUREAU		Lloyd's Register uts		PRS	RINA	RMRS	
other	Railway	Environment					
<u>Confirmation</u>	Special Test Certific- ate	EPD		Environmental Con- firmations			
urther information							

https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4DC0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

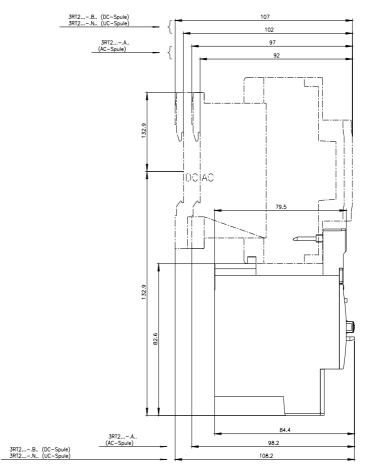
 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-4DC0&lang=en

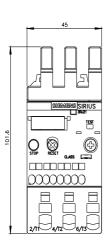
 Characteristic: Tripping characteristics, I²t, Let-through current

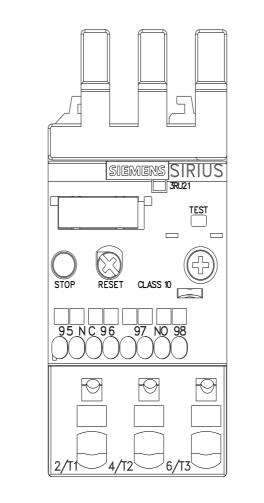
 https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4DC0/char

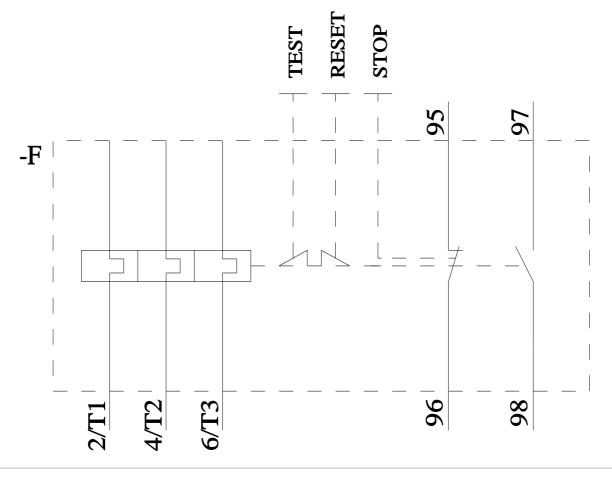
 Further characteristics (e.g. electrical endurance, switching frequency)

 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4DC0&objecttype=14&gridview=view1









last modified:

4/5/2024 🖸

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