SIEMENS

Data sheet 3RU2126-4FC0



Overload relay 34...40 A Thermal For motor protection Size S0, Class 10 Contactor mounting 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	S0
power loss [W] for rated value of the current at AC in hot operating state	9.6 W
• per pole	3.2 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 safe isolation 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 acc. 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 acc. to IEC 81346-2	F
Substance Prohibitance (Date)	01.10.2009 00:00:00
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	34 40 A
operating voltage	
rated value	690 V
at AC-3 rated value maximum	690 V
operating frequency rated value	50 60 Hz

operational current rated value operations of Arc 3		40.4
at 400 V reted value 15.5 kW 2	operational current rated value	40 A
a clip 500 V rated value and 680 V rated val		40 5 1111
Auxillary circuit design of the auxillary switch number of NC contacts for auxillary contacts • note		
design of the auxillary switch number of NC contacts for auxillary contacts • note number of NC contacts for auxillary contacts • note number of CO contacts for auxillary contacts • note number of CO contacts for auxillary contacts • note number of CO contacts for auxillary contacts • 124 / 3 • al 210 / 3 • al 110 / 3 • al 125 / 3 • al 230 / 2 • al 230 / 2 • al 125 / 3 • al 24 / 4 • at 110 / 0 operational current of auxillary contacts at DC-13 • al 24 / 2 • at 100 / 0 operational current of auxillary contacts at DC-13 • al 220 / 2 • al 125 / 0 • al 125 / 0 • al 125 / 0 • al 126 / 0 • al 127 / 0 • al 127 / 0 • al 128 / 0 • al 128 / 0 • al 129 / 0 • al 128 / 0 • al 129 / 0 • al 129 / 0 • al 120 / 0 • al 1		
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type of connectable conductor cross-sections • for auxiliary contacts		1x (1 6 mm²)
for auxiliary contacts		1x (18 8)
— solid or stranded 2x (0.5 2.5 mm²)	-	0 (0.5 0.5 0)
	— solid or stranded	2x (0.5 2.5 mm²)

 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded without core end processing 	2x (0.5 1.5 mm²)
at AWG cables for auxiliary contacts	2x (20 14)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
Safety related data	
failure rate [FIT] with low demand rate acc. to SN 31920	50 FIT
MTTF with high demand rate	2 280 y
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
Display	
display version for switching status	Slide switch
Certificates/ approvals	

General Product Approval

For use in hazardous locations













Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other









Confirmation Vi

Vibration and Shock

Railway

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2126-4FC0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2126-4FC0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4FC0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

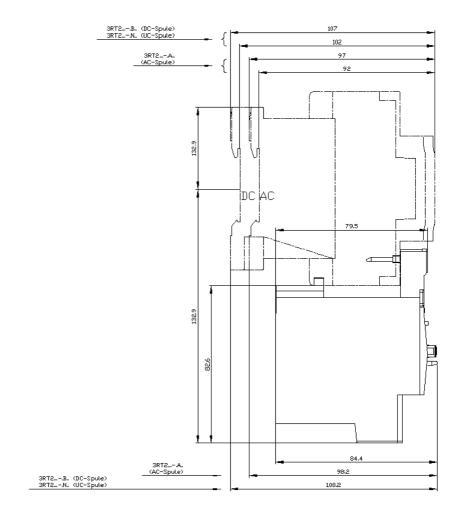
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-4FC0&lang=en

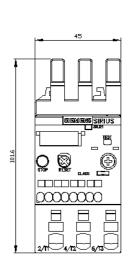
Characteristic: Tripping characteristics, I2t, Let-through current

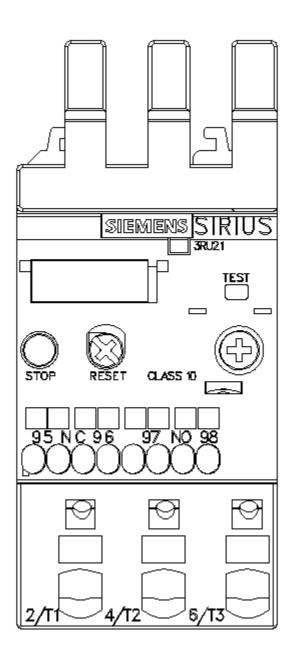
https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4FC0/char

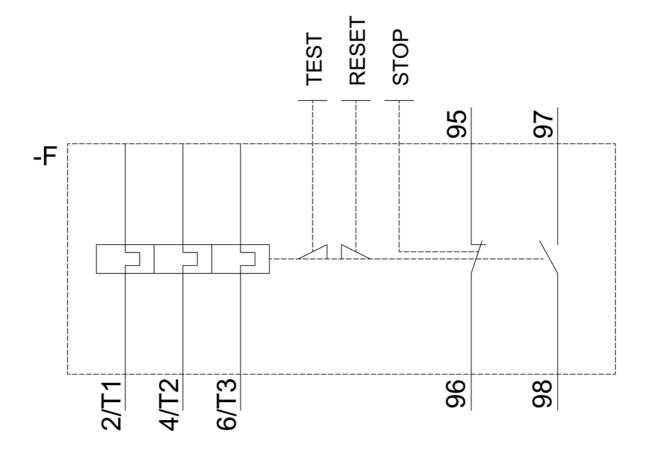
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4FC0&objecttype=14&gridview=view1









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