SIEMENS

Data sheet

3RU2136-4QD0



Overload relay 47...57 A Thermal For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

product brand name SIRUs product degination thermal overload relay product degination 3RU2 General technical data size of overload relay size of overload relay S2 size of overload relay S2 size of overload relay S2 operating state S2 issuation voltage with degree of pollution 3 at AC rated value 68/V maximum permissible voltage for protective separation in networks with grounded starp opint 415 V obtive main and auxiliary circuit 415 V obtive main and auxiliary circuit 680 V obtive or main and auxiliary circuit 680 V obtive or main and auxiliary circuit Exit 10 O certificat of suitability according to IEC 81346-2	and the formula serve	
product type designation 3RU2 General technical data	product brand name	SIRIUS
General technical data Size size of overload relay \$2 size of contactor can be combined company-specific \$2 size of contactor can be combined company-specific \$2 power loss (V) for rated value of the current at AC in hot operating state \$5.2 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 64V maximum permissible voltage for protective separation in networks with grounded star point 415 V • between auxiliary and auxiliary circuit 415 V • between main and auxiliary circuit 690 V • between conding to IEC 60088-227 8g /11 ms type of protection according to ATEX directive 2014/34/EU EXII (2) GD refificate of suitability according to IEC 81346-2 F fultigity during operation 40		
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relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 47 57 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 57 A	during transport	-55 +80 °C
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dependent overload release Image: Competition of the sector of the s	number of poles for main current circuit	3
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operating frequency rated value 50 60 Hz operational current rated value 57 A	rated value	690 V
operational current rated value 57 A	 at AC-3e rated value maximum 	690 V
· · · · · · · · · · · · · · · · · · ·	operating frequency rated value	50 60 Hz
operational current at AC-3e at 400 V rated value 57 A	operational current rated value	57 A
	operational current at AC-3e at 400 V rated value	57 A
operating power	operating power	

• at AC-3	30 kW		
— at 400 V rated value — at 500 V rated value			
	37 kW		
— at 690 V rated value	55 kW		
• at AC-3e	20.144		
— at 400 V rated value	30 kW		
— at 500 V rated value	37 kW		
— at 690 V rated value	55 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		
design of the miniature circuit breaker for short-circuit protection	6A (SCC less than equal to 0.5 kA; U less than equal to 260V)		
of the auxiliary switch required	B600 / B300		
contact rating of auxiliary contacts according to UL	B600 / R300		
contact rating of auxiliary contacts according to UL Protective and monitoring functions			
contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class	CLASS 10		
contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release			
contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings	CLASS 10		
contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	CLASS 10 thermal		
contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	CLASS 10 thermal 57 A		
contact rating of auxiliary contacts according to UL Protective and monitoring functions 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	CLASS 10 thermal		
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contact rating of auxiliary contacts according to UL Protective and monitoring functions 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	CLASS 10 thermal 57 A 57 A 57 A fuse gG: 6 A, quick: 10 A any		
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contact rating of auxiliary contacts according to UL Protective and monitoring functions 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 at 600 V rated value short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ 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 auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of or main contacts for main contacts	CLASS 10 thermal 57 A 57 A 57 A 7 fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm 105 mm No No screw-type terminals spring-loaded terminals Top and bottom		

type of connectable conductor cross-s	ections			
for auxiliary contacts				
— solid or stranded		2x (0.5 2.5 mm²)		
 finely stranded with core end processing 		2x (0.5 1.5 mm²)		
 finely stranded without core end processing 		2x (0.5 2.5 mm²)		
 for AWG cables for auxiliary contact 	ots	2x (20 14)		
ightening torque				
 for main contacts with screw-type terminals 		3 4.5 N·m		
lesign 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		M6		
fety related data				
Γ1 value for proof test interval or service l δ1508	ife according to IEC	20 a		
protection class IP on the front accord	ing to IEC 60529	IP20		
ouch protection on the front according	g to IEC 60529	finger-safe, for vertical contact	ct from the front	
splay				
isplay version for switching status		Slide switch		
rtificates/ approvals				
General Product Approval			For use in hazardous	locations
Confirmation	ŝ			IFCF.
(\mathbf{u})	(VL)	FHI	(Ex)	IECEX
	<u> </u>	LIIL		IECEx
Declaration of Conformity	Test Certificat		Marine / Shipping	
CE UK EG-Konf. CA	<u>Type Test Cer</u> ates/Test Re		ABS	B U RE AU VERITAS
Marine / Shipping				other
<u> </u>	SPA	ATA)	H	Confirmation
J A Lloyds	(33)			Comminiation
DNV				
DNV LRS	PRS	RINA	RMRS	
Railway				
Special Test Certific-				
ate				
irther information				
Siemens has decided to exit the Russianttps://press.siemens.com/global/en/press		own-russian-business		
Siemens is working on the renewal of t				
	ne current EAC certifica	ates.		
Please contact your local Siemens office	on the status of validity of	f the EAC certification if you inte	nd to import or offer to sup	oly these products to
AC relevant market (other than the sand	on the status of validity of	f the EAC certification if you inte	nd to import or offer to sup	oly these products to
Please contact your local Siemens office EAC relevant market (other than the sanc nformation on the packaging https://support.industry.siemens.com/cs/w	on the status of validity of tioned EAEU member sta	f the EAC certification if you inte	nd to import or offer to sup	oly these products to

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

https://www.siemens.com/ic10

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2136-4QD0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2136-4QD0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4QD0

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

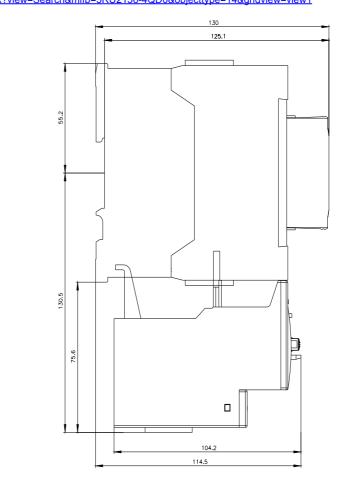
 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2136-4QD0&lang=en

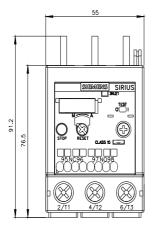
 Characteristic: Tripping characteristics, I²t, Let-through current

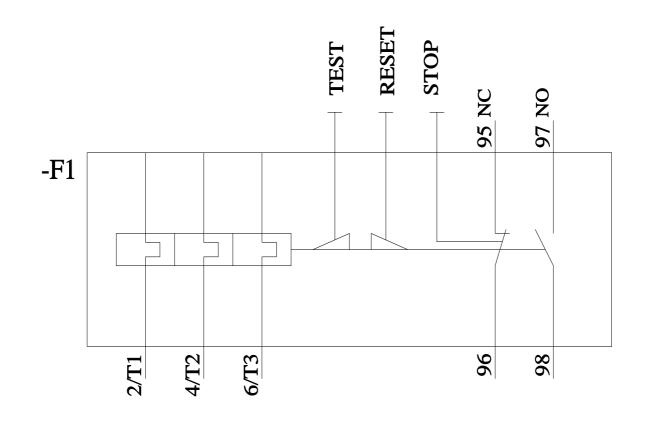
 https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4QD0/char

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

 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2136-4QD0&objecttype=14&gridview=view1







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