SIEMENS

Data sheet

3RU2116-0JC0



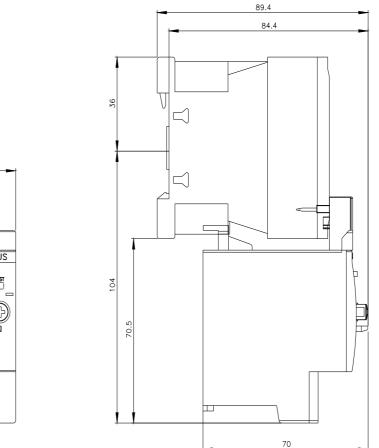
Overload relay 0.70...1.0 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Spring-type terminal Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

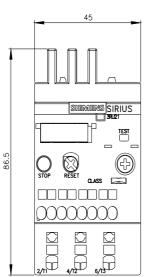
product brand name SIRUS product signation Barwarowski signation graduat signation SRU2 Convert type designation SRU2 Convert type designation SRU2 Size of vertoder telay SRU2 size of contactor can be combined company-specific SRU operating state 4.8 W operating state 680 V insulation voltage with degree of pollution 3 at AC rated value 684 V insulation voltage resistance rated value 684 V expre voltage resistance rated value 644 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 400	and duct been diverged	
product type designation 3RU2 General technical dat		
General technical data S00 size of overload relay S00 size of contactor can be combined company-specific S00 power loss [W] for rated value of the current at AC in hot operating state 4.8 W • per pole 1.6 W Insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 64V • between auxiliary and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 400 V • between main and auxiliary circuit 400 V • between main and auxiliary circuit 50 MIT Secoof		-
size of overload relay S00 size of contactor can be combined company-specific S00 power loss [W] for rated value of the current at AC in hot operating state 4.8 W • per pole 1.6 W insulation voltage resistance rated value 680 V surge voltage resistance rated value 68V maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between initian during to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 81346-2 F Substance Prohibitance (Date) 1001/2009 Ambient temperature -40 +70 °C • during storage -55 +80 °C • during storage		3RU2
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and part mapper missible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between 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 DM 1/2009 Anbient conditions F Installation altitude at height above sea level maximum 2 000 m • during torage -40 +70 °C • during transport -55 +80 °C • during transport -55 +80 °C	insulation voltage with degree of pollution 3 at AC rated value	690 V
networks with grounded star point 440 V • between auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between 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 F • ference code according to IEC 81346-2 F • Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2000 m • during operation -55 +80 °C • during torage -55 +80 °C • during torage -55 +80 °C • during torage -55 +80 °C • and incrutit -56 +60 °C • antincrutit -56 +60 °C	surge voltage resistance rated value	6 kV
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• between main and auxiliary circuit440 V• shock resistance according to IEC 60068-2-278g / 11 ms• type of protection according to ATEX directive 2014/34/EUEx II (2) GD• certificate of suitability according to ATEX directive 2014/34/EUDMT 98 ATEX G 001• reference code according to IEC 81346-2F• Substance Prohibitance (Date)10/01/2009Ambient conditions2 000 m• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +70 °C• during transport-55 +80 °C• temperature compensation10 95 %Main circuit3• during operation010 °C• tablebe current response value current of the current- dependent overload release0,7 1 A• operating voltage690 V• at AC-3e rated value690 V• at AC-3e rated value690 V• operating frequency rated value50 60 Hz	 between auxiliary and auxiliary circuit 	440 V
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type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 98 ATEX G 001reference code according to IEC 81346-2FSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 mambient temperature-40 +70 °C• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• during operation-40 +60 °Crelative humidity during operation0 95 %Main circuit3adjustable current response value current of the current- dependent overload release0.7 1 Aoperating voltage690 V• at AC-3e rated value690 V• at AC-3e rated value690 V• operating frequency rated value50 60 Hz	 between main and auxiliary circuit 	440 V
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Ambient conditions 2 000 m ambient temperature -40 +70 °C • 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 3 number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 0.7 1 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz	reference code according to IEC 81346-2	F
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• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.7 1 Aoperating voltage • rated value690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hz	ambient temperature	
• during transport -55 +80 °C temperature compensation -40 +60 °C 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 0.7 1 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	during operation	-40 +70 °C
temperature compensation -40 +60 °C 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 0.7 1 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	during storage	-55 +80 °C
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 0.7 1 A operating voltage rated value 690 V operating frequency rated value 690 V	during transport	-55 +80 °C
Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 0.7 1 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	temperature compensation	-40 +60 °C
number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 0.7 1 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	relative humidity during operation	10 95 %
adjustable current response value current of the current- 0.7 1 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	Main circuit	
dependent overload release operating voltage • rated value • at AC-3e rated value maximum operating frequency rated value 50 60 Hz	number of poles for main current circuit	3
rated value at AC-3e rated value maximum berating frequency rated value 50 60 Hz	•	0.7 1 A
• at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	operating voltage	
operating frequency rated value 50 60 Hz	rated value	690 V
	• at AC-3e rated value maximum	690 V
operational current rated value 1 A	operating frequency rated value	50 60 Hz
	operational current rated value	1 A
operational current at AC-3e at 400 V rated value 1 A	operational current at AC-3e at 400 V rated value	1 A
operating power	operating power	

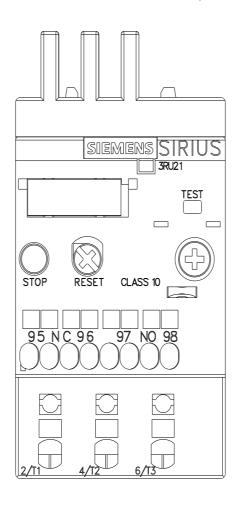
• at AC-3	
— at 400 V rated value	0.25 kW
— at 500 V rated value	0.37 kW
— at 690 V rated value	0.55 kW
● at AC-3e	
— at 400 V rated value	0.25 kW
— at 500 V rated value	0.37 kW
— at 690 V rated value	0.55 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary 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
	1A
• at 400 V	
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	
trip class	CLASS 10
trip class design of the overload release	CLASS 10 thermal
trip class	
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 1 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 1 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	thermal 1 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 1 A 1 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 • for short-circuit protection of the auxiliary switch required	thermal 1 A 1 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	thermal 1 A 1 A 1 A fuse gG: 6 A, quick: 10 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	thermal 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any
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 fastening method	thermal 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting
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 fastening method height	thermal 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 87 mm
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 fastening method height width	thermal 1 A 1 A 1 A 1 A 4 A 4 A 45 mm 45 mm 45 mm 45 mm
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 fastening method height width depth	thermal 1 A 1 A 1 A 1 A 4 A 4 A 45 mm 45 mm 45 mm
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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 fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit	thermal 1 A 1 A 1 A 1 A A Y Substrain Terms Instrument
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 main current circuit 	thermal I A I A I A I A I A Guick: 10 A Gu
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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 of or 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 of or main current circuit of or auxiliary and control circuit arrangement of electrical connectors for main current circuit upper of connectable conductor cross-sections of or main contacts - solid or stranded	thermal 1 A 1 A 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 87 mm 45 mm 70 mm No spring-loaded terminals spring-loaded terminals Top and bottom 1x (0,5 4 mm²)
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 fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection ofor auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of romain contacts — solid or stranded — finely stranded with core end processing	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 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 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 of or auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of or stranded — solid or stranded — finely stranded with core end processing — finely stranded without core end processing	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 87 mm 45 mm 70 mm 70 mm No spring-loaded terminals spring-loaded terminals Top and bottom 1x (0,5 4 mm²) 1x (0.5 2.5 mm²) 1x (0.5 2.5 mm²)
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 fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection ofor auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of romain contacts — solid or stranded — finely stranded with core end processing	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A

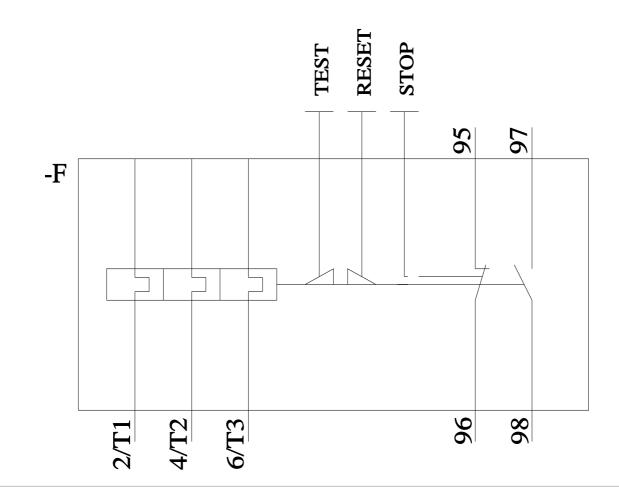
 finely strange for AWG cables design of screwdriver size of the screwdriver Safety related data failure rate [FIT] with lo MTTF with high dema T1 value for proof test i 61508 protection class IP or 	anded ded with core end proces ded without core end pro for auxiliary contacts or shaft er tip w demand rate according	to SN 31920 ording to IEC IEC 60529	2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²), 2x (0.7 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm 3,0 x 0,5 mm 50 FIT 2 280 a 20 a IP20 finger-safe, for vertical contr		
display version for swite	ching status		Slide switch		
Certificates/ approvals					
General Product App	roval			For use in hazardous	locations
<u>Confirmation</u>		(UL)	EHC	K ATEX	IECEx
Declaration of Confo	rmity	Test Certificat	es	Marine / Shipping	
UK CA	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Rep		E ABS	BUREAU VERITAS
Marine / Shipping					other
	Lloyds Register us	PRS	RINA	RMRS	<u>Confirmation</u>
other	Railway				
	Vibration and Shock				
Further information					
https://press.siemens.c Siemens is working o Please contact your loc EAC relevant market (c Information on the pa https://support.industry Information- and Dow https://www.siemens.cc Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automatic Service&Support (Ma https://support.industry Image database (prod http://www.automation.	other than the sanctioned ckaging siemens.com/cs/ww/en/x nloadcenter (Catalogs, pm/ic10 ordering system) mens.com/mall/en/en/Ca on.siemens.com/WW/CA nuals, Certificates, Cha siemens.com/cs/ww/en/p luct images, 2D dimens siemens.com/bilddb/cax. ng characteristics, I²t, L	er/siemens-wind-dc rrent EAC certifica status of validity of EAEU member sta view/109813875 Brochures,) talog/product?mlfb Xorder/default.aspx racteristics, FAQs ps/3RU2116-0JC0 ion drawings, 3D de.aspx?mlfb=3RL et-through current	ates. the EAC certification if you int ites Russia or Belarus). =3RU2116-0JC0 (?lang=en&mlfb=3RU2116-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb=3RU216-0Jr (?lang=en&mlfb	<u> </u>	bly these products to an

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0JC0&objecttype=14&gridview=view1









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