SIEMENS

Data sheet

3RU2126-1DB0



Overload relay 2.2...3.2 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product of signation SiNUs product of signation 3RU2 General technical data 3RU2 size of overlade relay S0 size of overlade relay S0 power loss [W] for rated value of the current at AC in hot operating state 600 V operating state 1.9 W insultation values with degree of pollution 3 at AC rated value 66 KV surge voltage resistance rated value 66 KV minum permissible voltage for protective separation 64 V • in networks with ungrounded star point between auxilary 440 V • in networks with grounded star point between main and auxilary circuit 440 V • in networks with grounded star point between main and auxilary circuit 440 V • in networks with grounded star point between main and auxilary circuit 440 V • in networks with grounded star point between main and auxilary circuit 440 V • in networks with grounded star point between main and auxilary circuit 440 V • in networks with grounded star point between main and auxilary circuit 440 V • duing toral 56		
product type designation 3RU2 Central technical data	product brand name	SIRIUS
General lexibilities S0 size of overload relay S0 size of contactor can be combined company-specific S0 power loss [W] for rated value of the current at AC in hot operating state 57 W • per pole 1.9 W insulation voltage with degree of pollution 3 at AC rated value 690 V surger voltage resistance rated value 64V • 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 grounded star point between main and auxiliary circuit 440 V • on petworks with grounded star point between main and auxiliary circuit 440 V • on petworks with grounded star point between main and auxiliary circuit 440 V • on petworks with grounded star point between main and auxiliary circuit 440 V • on petworks with grounded star point between main and auxiliary circuit 440 V • on petworks with grounded star point between main and auxiliary circuit 440 V • outrigo peration to 10 to 120009 5WH custance name • Leed - r439-92-1 Weight • Installation altitude at height above sea level maximum 200		
size of overload relay S0 size of contactor can be combined company-specific S0 power toss (W) for rated value of the current at AC in hot operating state 5.7 W • per pole 1.9 W insulation values with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 64V maximum permissible voltage for protective separation 64V • in networks with ungrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ungrounded 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 ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V substance According to IEC 60068-2:27 8g / 11 ms reference code according to IEC 60068-2:27 8g / 10 ms weight 0.186 kg Anblent conditions 2000 m installation altitude at height above sea level maximum 2000 m • during torage -55 +80 °C • during torage -55 +80		3RU2
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SVHC substance name Lead - 7439-92-1 Weight 0.186 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 3 number of poles for main current circuit 3 adjustable current response value current of the current- 2.2 3.2 A operating voltage 690 V • at AC-3e rated value 690 V • at AC-3e rated value 690 V • at AC-3e rated value 690 V	reference code according to IEC 81346-2	F
Weight 0.186 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature 2 000 m o 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 2.2 3.2 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	10/01/2009
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• 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 2.2 3.2 A operating voltage 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V	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 2.2 3.2 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 2.2 3.2 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 2.2 3.2 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 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 2.2 3.2 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 2.2 3.2 A operating voltage rated value 690 V at AC-3e rated value maximum 690 V 690 V 690 V 690 V operating frequency rated value 50 60 Hz	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release2.2 3.2 Aoperating voltage 	Main circuit	
dependent overload release operating voltage • rated value • at AC-3e rated value maximum 690 V • operating frequency rated value 50 60 Hz	number of poles for main current circuit	3
• rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz		2.2 3.2 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 3.2 A	operating frequency rated value	50 60 Hz
	operational current rated value	3.2 A

operational current at AC-3e at 400 V rated value	3.2 A
operating power	
• at AC-3	
— at 400 V rated value	1.1 kW
— at 500 V rated value	1.5 kW
— at 690 V rated value	2.2 kW
• at AC-3e	
— at 400 V rated value	1.1 kW
— at 500 V rated value	1.5 kW
— at 690 V rated value	2.2 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	1A
• at 690 V	0.75 A
operational current of auxiliary contacts at DC-13	0.73 A
• 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	0.22 A 0.11 A
at 220 V contact rating of auxiliary contacts according to UL	
• at 220 V	0.11 A
at 220 V contact rating of auxiliary contacts according to UL	0.11 A
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release	0.11 A B600 / R300
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class	0.11 A B600 / R300 CLASS 10
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release	0.11 A B600 / R300 CLASS 10
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings	0.11 A B600 / R300 CLASS 10
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal
• at 220 ∨ 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 ∨ rated value • at 600 ∨ rated value Short-circuit protection design of the fuse link	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A
 at 220 V 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 stort-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A
 at 220 V 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 	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting
• at 220 V 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 fastening method height	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm
• at 220 V 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 fastening method height width	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm
 at 220 V 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 fastening method height width depth 	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm
• at 220 V 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 fastening method height width	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm
 at 220 V 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 fastening method height width depth 	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm
 at 220 V 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 for short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm
 at 220 V 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 fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection 	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm
• at 220 V 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 fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 85 mm
• at 220 V 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	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 85 mm 85 mm
• at 220 V 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 connectors for main current circuit type of connectable conductor cross-sections	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 85 mm No
e at 220 V 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 e at 480 V rated value e at 600 V rated value Short-circuit protection design of the fuse link e 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 e for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections e for main contacts	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 45 mm 85 mm 70 No
• at 220 V 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 • for main contacts - solid or stranded	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A S2 A S2 A S2 A S2 A S2 A No Screw-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm²), 2x (2.5 10 mm²)
e at 220 V 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 e at 480 V rated value e at 600 V rated value Short-circuit protection design of the fuse link e 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 e for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections e for main contacts	0.11 A B600 / R300 CLASS 10 thermal 3.2 A 3.2 A 3.2 A 3.2 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 85 mm 85 mm 95

type of connectable cor	nductor cross-section	ns				
 for auxiliary contact 	sts					
— solid or stran	ded		2x (0.5	1.5 mm²), 2x (0.75 .	2.5 mm²)	
 finely strande 	ed with core end proce	ssing	2x (0.5	1.5 mm²), 2x (0.75 .	2.5 mm²)	
 for AWG cables for 	r auxiliary contacts		2x (20	16), 2x (18 14)		
tightening torque						
 for main contacts v 	with screw-type termina	als	2 2.5	5 N·m		
• for auxiliary contacts with screw-type terminals		0.8 1.2 N·m				
design of screwdriver s	haft		Diamet	ter 5 6 mm		
size of the screwdriver	tip		Pozidri	iv PZ 2		
design of the thread of	the connection screw	v				
 for main contacts 			M4			
 of the auxiliary and 	d control contacts		M3			
afety related data						
failure rate [FIT] with low demand rate according to SN 31920		50 FIT				
MTTF with high demand rate		2 280 a	a			
EC 61508						
61508	val or service life accor	ding to IEC	20 a			
Electrical Safety						
protection class IP on t			IP20			
touch protection on the	front according to I	EC 60529	finger-s	safe, for vertical contac	from the front	
isplay						
display version for switch pprovals Certificates	ing status		Slide s	witch		
UK	"	Confirmatio	<u>on</u>	(m)	Ē	гпг
UK	CE	<u>Confirmatio</u>	<u>on</u>		(ll)	FAL
UK CA	CE EG-Konf.	<u>Confirmatio</u>	<u>on</u>			EHC
UK CA	CE EG-Konf.	<u>Confirmatio</u>	<u>n</u>			EHC
U 11		<u>Confirmatio</u>	<u>on</u>			EAC
UK CA For use in hazardous lo		<u>Confirmatio</u>	<u>on</u>	CCC Test Certificates	UL UL	Marine / Shipping
U 11		<u>Confirmatio</u> Miscellaneor		CCC Test Certificates Special Test Certific- ate	Type Test Certific- ates/Test Report	Marine / Shipping
U 11	Decations			Special Test Certific-		EFFC Marine / Shipping
For use in hazardous lo	Decations			Special Test Certific-		ERFC Marine / Shipping
For use in hazardous lo EXAMPLE A	Decations IECEX IECEX	Miscellaneor		Special Test Certific-		ERIC Marine / Shipping
For use in hazardous lo EXERCISE Marine / Shipping	Decations IECEX IECEX	Miscellaneou		Special Test Certific- ate		EFFE Marine / Shipping Abs
For use in hazardous lo Event Marine / Shipping UREAU UREAU Other Miscellaneous	Confirmation	Miscellaneou Railway Special Test Ce		Special Test Certific- ate	ates/Test Report	EFFC Marine / Shipping
For use in hazardous lo Event Marine / Shipping Marine / Shipping CONTRACTION Miscellaneous Anther information Information on the pack https://support.industry.si Information - and Downl	Confirmation	Miscellaneou Miscellaneou Railway Special Test Ce ate view/109813875		Special Test Certific- ate	ates/Test Report	EFFC Marine / Shipping
For use in hazardous lo EXAMPLE A Marine / Shipping Marine / Shipping EVENITAS other	Confirmation	Miscellaneou Miscellaneou Railway Special Test Ce ate view/109813875		Special Test Certific- ate	ates/Test Report	ERIC Marine / Shipping

Cax online generator

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4/T2 6/T3

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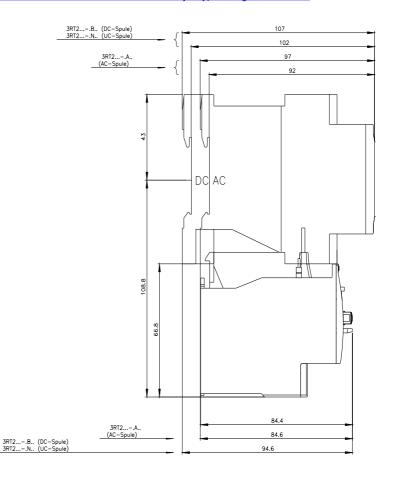
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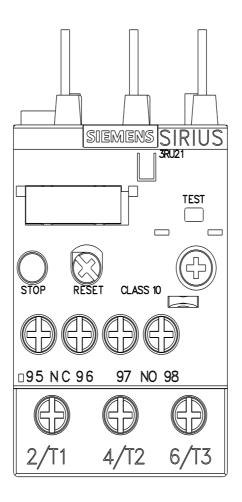
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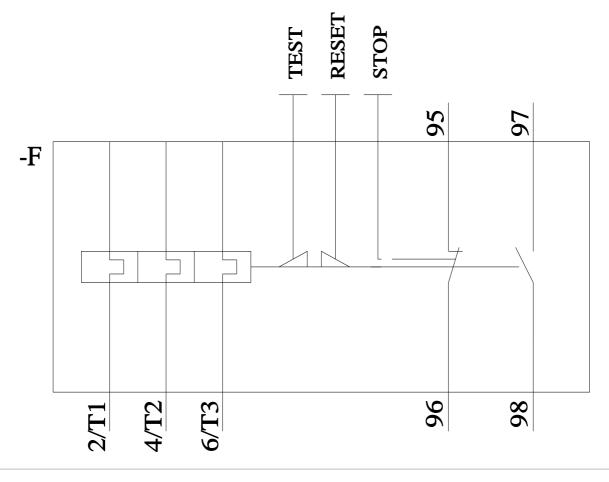
Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-1DB0/char

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

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