SIEMENS

Data sheet

3RU2116-1GB0



Overload relay 4.5...6.3 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name SIRIUS product designation 3RU2 General technical data stace for veroficial data size of contactor can be combined company-specific S00 per polatic designation 6.6 W operating state 0 per polatic designation 6.6 W operating state 0.9 W surge voltage with degree of pollution 3 at AC rated value 6.6 W maximum permissible voltage for protective separation 6.6 W in networks with ungrounded star point between auxiliary 440 V and auxiliary circuit 440 V in networks with grounded star point between auxiliary 440 V auxiliary circuit 440 V in networks with grounded star point between main and auxiliary circuit 440 V substance according to IEC 60068-2:7 8g / 11 ms reference code according to IEC 60068-2:7 8g / 11 ms reference code according to IEC 60068-2:7 8g / 11 ms installation altitude at height above sea level maximum 2000 m ambient comditions	muchuret humand memory	
product type designation 3RU2 General technical data	•	
Conneral technical data S00 size of overlead relay S00 size of contactor can be combined company-specific S00 opperting state S00 • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 660 V surge voltage resistance rated value 6 KV maximum permissible voltage for protective separation 440 V • 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 • in networks with grounded star point between main and auxiliary circuit 440 V • on retworks with grounded star point between main and auxiliary circuit 440 V • auxiliary circuit 440 V		
size of overload relay S00 size of contactor can be combined company-specific S00 power loss [M] for rated value of the current at AC in hot operating state 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 68 V surge voltage resistance rated value 68 V maximum permissible voltage for protective separation 68 V • in networks with ugrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ugrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ugrounded star point between main and auxiliary circuit 440 V • in networks with ugrounded star point between main and auxiliary circuit 440 V • in networks with ugrounded star point between main and auxiliary circuit 440 V • in networks with ugrounded star point between main and auxiliary circuit 440 V • auxiliary circuit 440 V • block resistance according to IEC 60069-2:27 8g / 11 ms reference code according to IEC 60069-2:27 8g / 10 ms reference code according to IEC 60069-2:27 8g / 10 ms instation altitude at height above sea level maximum 2000 m amblent conditions 2000 m instation altitude at height above sea level maximum 2000 m • during peration		JRUZ
size of contactor can be combined company-specific S00 power loss [W] for rated value of the current at AC in hot operating state 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 68 V surge voltage resistance rated value 68 V maximum permissible voltage for protective separation 64 V • in networks with grounded 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 • in networks with grounded star point between main and auxiliary circuit 440 V • an 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 60068-2-27 F Substance name Lead - 7439-92-1 Ambient conditions - installation altitude at height above sea level maximum 2 000 m ambient temperature - • during strage -55 +60 °C <		222
power loss [W] for rated value of the current at AC in hot operating state 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 690 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 grounded star point between auxiliary and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • substance according to IEC 6068-2-27 8g / 11 ms reference code according to IEC 6068-2-27 8g / 11 ms reference code according to IEC 6068-2-27 8g / 10 m/2009 SWHC substance name Lead - 7439-92-1 Antheint conditions 2 000 m installation attitude at height above sea level maximum 2 000 m ambient temperature -40 +70 °C • during operation -40 +70 °C • during operation -40 +60 °C temperature compensation 10 95 %		
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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 6 kV • 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 • in networks with grounded star point between main and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • in networks with grounded star point between main and auxiliary circuit 440 V • Stock resistance according to IEC 60068-2-27 8g / 11 ms reference code according to IEC 81346-2 F Subtance name Lead - 7439-92-1 Installation altitude at height above sea level maximum 2 000 m ambient temperature -40 +70 °C • during torage -55 +80 °C • during torage -55 +80 °C • during transport -55 +80 °C relative humidity during operation 10 +60 °C relative humidity during operation 40 +60 °C		
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maximum permissible voltage for protective separation in networks with ungrounded star point between auxiliary and auxiliary circuit in networks with grounded star point between auxiliary and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit 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 SWHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature during storage -55 +80 °C during transport -55 +80 °C temperature compensation 40 +60 °C relative humidity during operation -95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent verical value maximum 690 V erated value maximum 690 V erated value maximum 690 V operating frequency rated value 600 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
 in networks with ungrounded star point between auxiliary and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance according to IEC 60068-2-27 8g / 11 ms reference code according to IEC 61346-2 F Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature during storage -55 +80 °C during storage -55 +80 °C during storage -56 +80 °C relative humidity during operation -40 95 % Main circuit momber of poles for main current circuit adjustable current response value current of the current- dependent overload release operating rollage rated value 690 V at AC-3e rated value maximum 690 V at AC-3e rated value maximum 690 V operating frequency rated value 600 rC 	surge voltage resistance rated value	6 kV
and auxiliary circuit 440 V • in networks with grounded star point between auxiliary auxiliary circuit 440 V • in networks with grounded 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 Ambient conditions	maximum permissible voltage for protective separation	
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 Ambient conditions 1 installation altitude at height above sea level maximum 2 000 m ambient temperature -65 +80 °C • during operation -40 +70 °C • during storage -55 +80 °C • during transport -55 +80 °C • during operation -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- 4.5 6.3 A operating requency rated value 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V • at AC-3e rated value maximum 690 V		440 V
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 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -40 +70 °C • during operation -40 +70 °C • during storage -55 +80 °C • during operation -40 +60 °C relative humidity during operation 10 95 % Main circuit 3 adjustable current response value current of the current- dependent overload release 690 V • at AC-3e rated value 600 V		440 V
auxiliary circuit 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 Ambient conditions 1 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 +60 °C mumber of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 690 V operating voltage - • rated value 690 V • at AC-3e rated value 50 60 Hz operating frequency rated value 50 60 Hz operational current rated value 63. A	• ·	440 V
reference code according to IEC 81346-2 F Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum 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 690 V • at AC-3e rated value 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V • at AC-3e rated value 600 L • operating frequency rated value 50 60 Hz operating frequency rated value 60 L		440 V
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SVHC substance name Lead - 7439-92-1 Ambient conditions 2 000 m installation altitude at height above sea level maximum 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- 4.5 6.3 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operating frequency rated value 50 60 Hz operating locurrent rated value 6.3 A	reference code according to IEC 81346-2	F
Ambient conditions installation altitude at height above sea level maximum 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 4.5 6.3 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operating requency rated value 63 A	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum 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 4.5 6.3 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operating frequency rated value 63 A	SVHC substance name	Lead - 7439-92-1
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• during storage-55 +80 °C• during transport-55 +80 °Ctemperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3adjustable current response value current of the current- dependent overload release4.5 6.3 Aoperating voltage690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperating current rated value6.3 A	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 4.5 6.3 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 6.3 A	during operation	-40 +70 °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 release4.5 6.3 Aoperating voltage690 V• rated value690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value6.3 A	 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 4.5 6.3 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 6.3 A	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 4.5 6.3 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 6.3 A	temperature compensation	-40 +60 °C
number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 4.5 6.3 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 6.3 A 	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release4.5 6.3 Aoperating voltage690 V• rated value690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value6.3 A	Main circuit	
dependent overload release operating voltage • rated value • rated value maximum 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 6.3 A	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 operational current rated value 6.3 A		4.5 6.3 A
	operating voltage	
operating frequency rated value 50 60 Hz operational current rated value 6.3 A	rated value	690 V
operational current rated value 6.3 A	 at AC-3e rated value maximum 	690 V
operational current rated value 6.3 A	operating frequency rated value	50 60 Hz
operational current at AC-3e at 400 V rated value 6.3 A		6.3 A
	operational current at AC-3e at 400 V rated value	6.3 A

operating power	
• at AC-3	
— at 400 V rated value	2.2 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 400 V rated value	2.2 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 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 125 V • at 230 V	2 A
• at 230 V • at 400 V	1A
• at 400 V • at 690 V	0.75 A
	0.75 A
operational current of auxiliary contacts at DC-13	0.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	0.11 A
contact rating of auxiliary contacts according to UL	B600 / R300
Protective and monitoring functions	
Protective and monitoring functions trip class	CLASS 10
Protective and monitoring functions trip class design of the overload release	
Protective and monitoring functions trip class design of the overload release UL/CSA ratings	CLASS 10
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
Protective and monitoring functions trip class design of the overload release UL/CSA ratings	CLASS 10
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
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 6.3 A
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 6.3 A
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	CLASS 10 thermal 6.3 A
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	CLASS 10 thermal 6.3 A 6.3 A
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	CLASS 10 thermal 6.3 A 6.3 A
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	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A
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 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any
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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting
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	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm
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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
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	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
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 ofor 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	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A 6.3 A 7 use gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No
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 main current circuit for auxiliary and control circuit 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No screw-type terminals screw-type terminals
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 auxiliary and control circuit arrangement of electrical connectors for main current circuit 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No screw-type terminals screw-type terminals
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 for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals Top and bottom
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 main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No screw-type terminals screw-type terminals Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
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 main current circuit 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 finely stranded with core end processing 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No screw-type terminals screw-type terminals Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²)
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 for main current circuit 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 	CLASS 10 thermal 6.3 A 6.3 A 6.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No screw-type terminals screw-type terminals Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²

 for auxiliary conf 	tacts				
- solid or stra	— solid or stranded			2.5 mm²)	
— finely stran	— finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 .	2.5 mm²)	
 for AWG cables for auxiliary contacts 		2x (20 16), 2x (18 14)			
tightening torque					
 for main contacts with screw-type terminals 		0.8 1.2 N·m			
 for auxiliary contacts with screw-type terminals 		0.8 1.2 N·m			
design of screwdrive	design of screwdriver shaft		Diameter 5 6 mm		
size of the screwdrive	er tip		Pozidriv PZ 2		
design of the thread of	of the connection screw				
 for main contact 	S		M3		
 of the auxiliary a 	ind control contacts		M3		
Safety related data					
failure rate [FIT] with 31920	low demand rate accord	ing to SN	50 FIT		
MTTF with high dema	and rate		2 280 a		
IEC 61508					
T1 value					
 for proof test inte 61508 	erval or service life accordi	ing to IEC	20 a		
Electrical Safety					
protection class IP or	n the front according to I	EC 60529	IP20		
touch protection on t	he front according to IEC	60529	finger-safe, for vertical contact	t from the front	
Display					
display version for swit	ching status		Slide switch		
Approvals Certificates					
EG-Konf.	UK CA	CCC		UL	LIIL
For use in hazardous	locations	Test Certificate	95	Marine / Shipping	
IECEx	ATEX	<u>Type Test Cert</u> ates/Test Rep		ABS	BUREAU VERITAS
Marine / Shipping					other
	Hoyd's Register	PRS	RINA	RMRS RMRS	<u>Miscellaneous</u>
other	Railway	Environment			
Confirmation			Environmental Con-		
	<u>Special Test Certific-</u> <u>ate</u>	EPD	firmations		
Further information		EPD			

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2116-1GB0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-1GB0

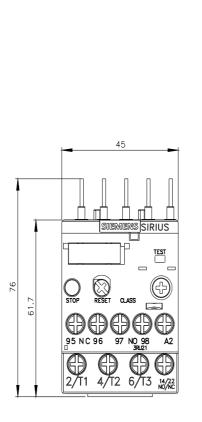
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2116-1GB0&lang=en

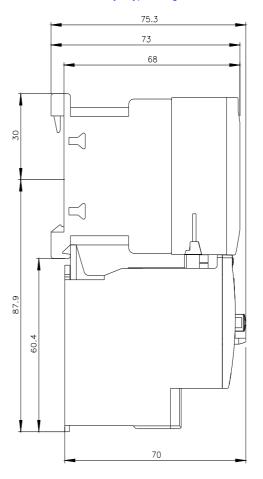
Characteristic: Tripping characteristics, I²t, Let-through current

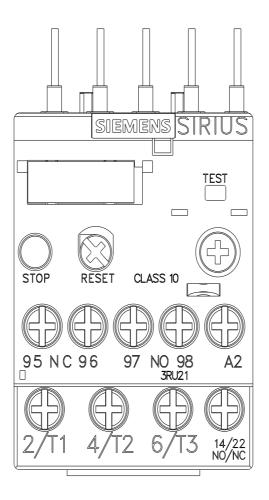
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-1GB0/char

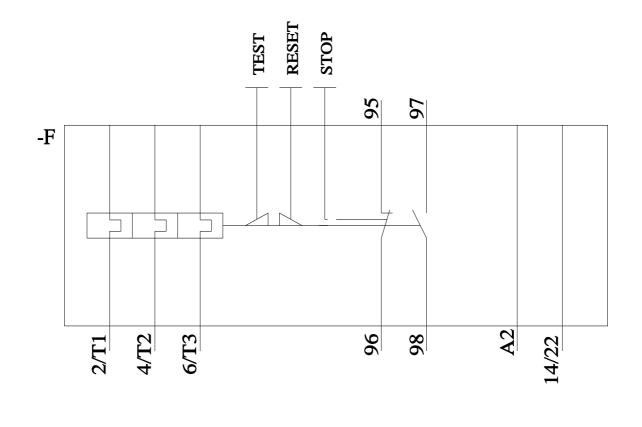
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-1GB0&objecttype=14&gridview=view1









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