SIEMENS

Data sheet 3RU2116-1DB1



Overload relay 2.2...3.2 A Thermal For motor protection Size S00, Class 10 Standalone installation Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product designation growth type growth typ	product brand name	SIRIUS
Size of overload relay size of contactor can be combined company-specific size of contactor can be combined company-specific so operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and auxiliary circuit • between source in the company of the company	product designation	thermal overload relay
size of overload relay size of contactor can be combined company-specific soo power loss [W] for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value • ger yold go resistance rated value finsulation voltage resistance rated value 68 kV maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between main and auxiliary circuit • between finance according to IEC 60068-2-27 8g / 11 ms type of protection according to ATEX directive 2014/34/EU pertificate of suitability according to ATEX directive 2014/34/EU pertificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2 Fubstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during transpo	product type designation	3RU2
size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 689 V surge voltage resistance rated value 66 kV maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and auxiliary circuit • between final pollec 60068-2-27 type of protection according to ATEX directive 2014/34/EU pertificate of suitability according to LEC 81346-2 preference code according to IEC 81346-2 prefere	General technical data	
power loss [W] for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and coording to IEC 60068-2-27 type of protection according to IEC 60068-2-27 type of protection according to IEC 8014/34/EU perfificate of suitability according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during storage • during transport • during itransport temperature compensation -40+70 °C • during itransport -55+80 °C temperature compensation -40+60 °C relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 5.7 W 1.9 W 68V 68V 68V 68V 68V 690 V	size of overload relay	S00
operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between main and auxiliary circuit * shock resistance according to IEC 60068-2-27 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2 F Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport -40 +70 °C temperature compensation -40 +60 °C relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 690 V	size of contactor can be combined company-specific	S00
insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and auxiliary circuit 100		5.7 W
surge voltage resistance rated value maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and auxiliary circuit • 440 V • between main and auxiliary circuit • 440 V • between main and auxiliary circuit • 440 V • between main and auxiliary circuit • 440 V • 8 8 / 11 ms • 8 8 / 11 ms • 8 11 (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/E	• per pole	1.9 W
maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between main and auxiliary circuit 440 V 440 V 440 V 440 V 450 D MT 98 ATEX G 001 600 T 40 +70 ° C 40 +70 °	insulation voltage with degree of pollution 3 at AC rated value	690 V
networks with grounded star point • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between main and auxiliary circuit • dufficate of suitability according to IEC 60068-2-27 • type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pMT 98 ATEX G 001 reference code according to IEC 81346-2 F Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 690 V	surge voltage resistance rated value	6 kV
between auxiliary and auxiliary circuit between main auxiliary circuit between auxiliary circuit between axil 440 V but 19 By 11 ms by 20 By 11 ms by 21 By 11 ms by		
between main and auxiliary circuit between main and auxiliary circuit shock resistance according to IEC 60068-2-27 8g / 11 ms type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pompose according to IEC 81346-2 Fub and the suitability according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation -40 +70 °C during storage during transport -55 +80 °C during transport -40 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 690 V	 between auxiliary and auxiliary circuit 	440 V
between main and auxiliary circuit shock resistance according to IEC 60068-2-27 8g / 11 ms type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pm 98 ATEX G 001 reference code according to IEC 81346-2 Substance Prohibitance (Date)	 between auxiliary and auxiliary circuit 	440 V
shock resistance according to IEC 60068-2-27 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pmt 98 ATEX G 001 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value e at AC-3e rated value maximum e xII (2) GD DMT 98 ATEX G 001 FX II (2) GD DMT 98 ATEX G 001 EX II (2) GD DMT 98 ATEX G 001 FX II (2) GD DMT 98 ATEX G 001 FX II (2) GD DMT 98 ATEX G 001 FX II (2) GD DMT 98 ATEX G 001 FX II (2) GD DMT 98 ATEX G 001 FX III (2) GD FX III (2) GD DMT 98 ATEX G 001 FX III (2) GD FX I	 between main and auxiliary circuit 	440 V
type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pMT 98 ATEX G 001 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum Ex II (2) GD Ex II (2) GD DMT 98 ATEX G 001 PMT 98 ATEX G 001 PMT 98 ATEX G 001 PMT 98 ATEX G 001 The STORY ATEX G 001 Th	 between main and auxiliary circuit 	440 V
certificate of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum DMT 98 ATEX G 001 F BMT 98 ATEX G 001 F SUMT 98 ATEX SUMT 98 SUMT 98 ATE	shock resistance according to IEC 60068-2-27	8g / 11 ms
reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 10/01/2009	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport temperature compensation -40 +70 °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 adjustable current response value current of the current-dependent overload release operating voltage • rated value • rated value • at AC-3e rated value maximum 10/01/2009 1	certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
installation altitude at height above sea level maximum ambient temperature during operation during storage during transport temperature compensation relative humidity during operation adjustable current response value current of the current-dependent overload release operating voltage at AC-3e rated value maximum 2 000 m 3 000 C 4 0 +70 °C 4 0 +80 °C 4 0	reference code according to IEC 81346-2	F
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport -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 adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 2 000 m	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation • during storage • during transport -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 adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum -40 +70 °C -55 +80 °C -55 +80 °C -40 +60 °C 2.2 3.2 A	Ambient conditions	
 during operation during storage 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 adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3e rated value maximum -40 +70 °C -55 +80 °C cy demonstrated value demonstrated value e90 V 	installation altitude at height above sea level maximum	2 000 m
 during storage 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 adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3e rated value maximum -55 +80 °C -55 +80 °C -20 +60 °C 690 V 690 V 690 V	ambient temperature	
● during transport	during operation	-40 +70 °C
temperature compensation -40 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum -40 +60 °C 10 95 % 3 2.2 3.2 A 690 V	during storage	-55 +80 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3e rated value maximum 10 95 % 3 2.2 3.2 A 690 V 690 V	 during transport 	-55 +80 °C
Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3e rated value maximum 690 V	temperature compensation	-40 +60 °C
number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3e rated value maximum 3 2.2 3.2 A 690 V 690 V	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3e rated value maximum 2.2 3.2 A 690 V	Main circuit	
dependent overload release operating voltage ● rated value • at AC-3e rated value maximum 690 V	number of poles for main current circuit	3
 rated value at AC-3e rated value maximum 690 V 690 V 		2.2 3.2 A
at AC-3e rated value maximum 690 V	operating voltage	
	• rated value	690 V
operating frequency rated value 50 60 Hz	• at AC-3e rated value maximum	690 V
	operating frequency rated value	50 60 Hz
operational current rated value 3.2 A	operational current rated value	3.2 A
operational current at AC-3e at 400 V rated value 3.2 A	operational current at AC-3e at 400 V rated value	3.2 A
operating power	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	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	
contact rating of auxiliary contacts according to UL	B600 / R300	
5 · , · · · · · · · · · · · · · · · · ·		
Protective and monitoring functions		
	CLASS 10	
Protective and monitoring functions	CLASS 10 thermal	
Protective and monitoring functions trip class		
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		
Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	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	thermal 3.2 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	thermal 3.2 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	thermal 3.2 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	thermal 3.2 A 3.2 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	thermal 3.2 A 3.2 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	thermal 3.2 A 3.2 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	thermal 3.2 A 3.2 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation	
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	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 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 • 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	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 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 • 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 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm 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 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 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm No 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	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm 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 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	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm 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 main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm 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 main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 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 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	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm No 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 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	3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 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)	
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 mm No 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	
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any stand-alone installation 89 mm 45 mm 80 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)	

 — solid or stranded 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 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 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	M3		
 of the auxiliary and control contacts 	M3		
Safety related data			
failure rate [FIT] with low demand rate according to SN 31920	50 FIT		
MTTF with high demand rate	2 280 a		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according 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	

Confirmation











Declaration of Conformity

Test Certificates





Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping



Marine / Shipping





LRS







Confirmation

other

other

Railway



Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RU2116-1DB1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2116-1DB1

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

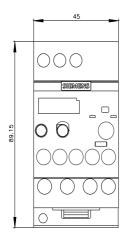
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-1DB1

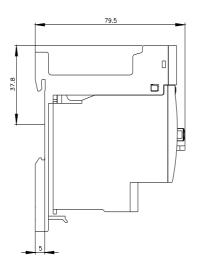
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

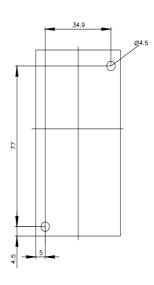
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2116-1DB1&lang=en

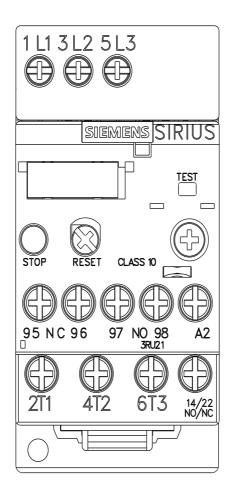
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-1DB1/char

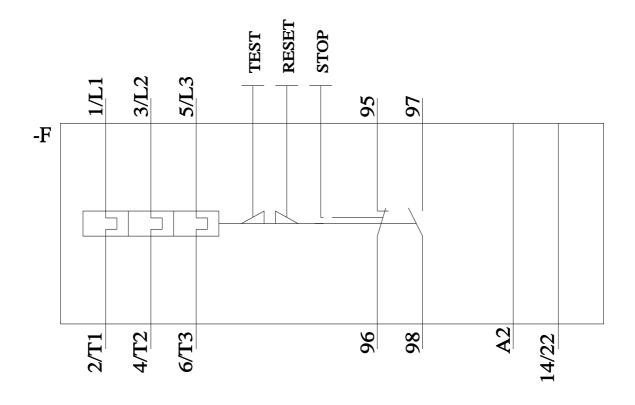
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-1DB1&objecttype=14&gridview=view1











last modified: 3/8/2022 🖸