## SIEMENS

## Data sheet

## 3RU2116-1JB1



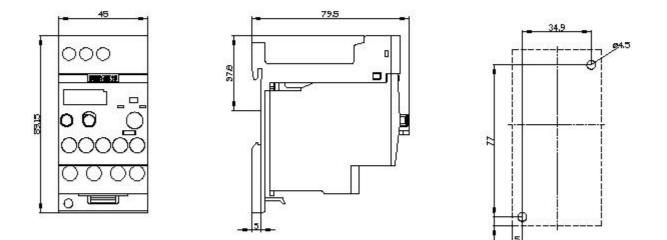
Overload relay 7.0...10 A Thermal For motor protection Size S00, Class 10 Stand-alone installation Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name	SIRIUS			
product designation	thermal overload relay			
product type designation	3RU2			
General technical data				
size of overload relay	S00			
size of contactor can be combined company-specific	S00			
power loss [W] for rated value of the current at AC in hot operating state	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	6 kV			
maximum permissible voltage for safe isolation in networks with grounded star point				
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V			
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V			
<ul> <li>between main and auxiliary circuit</li> </ul>	440 V			
<ul> <li>between main and auxiliary circuit</li> </ul>	440 V			
shock resistance acc. to IEC 60068-2-27	8g / 11 ms			
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD			
certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001			
reference code acc. to IEC 81346-2	F			
Substance Prohibitance (Date)	01.10.2009 00:00:00			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
<ul> <li>during operation</li> </ul>	-40 +70 °C			
<ul> <li>during storage</li> </ul>	-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	3			
adjustable current response value current of the current-dependent overload release	7 10 A			
operating voltage				
<ul> <li>rated value</li> </ul>	690 V			
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V			
operating frequency rated value	50 60 Hz			

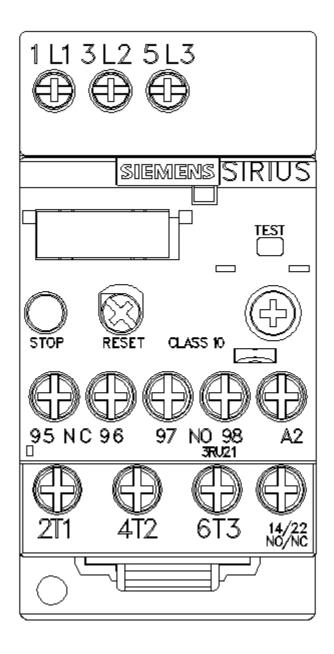
operational current rack value         10 A           operational current rack value         10 A           operational current rack value         4 WW           is 600 V rated value         5 S WW           is 600 V rated value         7 S W           Availary circuits         1           design of the auxiliary contacts or auxiliary contacts         1           in robe         1           in robe         1           operational current of auxiliary contacts         0           operational current of auxiliary contacts         0           operational current of auxiliary contacts at AC-15         3           it 24 V         3 A           it 120 V         0 A           operational current of auxiliary contacts at DC-13           it 120 V         0 A           it 120 V         0 A <th></th> <th></th>		
•••••••••••••••••••••••••••••••••••	operational current rated value	10 A
• at 800 V rates value5 KWAutary circut7.5 kWdesign of the auxillary solutions16 protocol disconnectionnumber of N Contacts for auxillary contacts1• notefor contacts dirage "fripped"number of N Contacts for auxillary contacts0operational current of auxillary contacts at AC-150• at 24 V3 A• at 100 V0 ax• at 200 V		
• # 880 V rited value7.5 kWAuxiliary circuitIntegratednumber of NC contacts for auxiliary contacts1• notefor contactor disconnectionnumber of NC contacts for auxiliary contacts1• notefor message "Tripped"operational current of auxiliary contacts at AC-153 A• it 24 V3 A• it 150 V3 A• it 250 V2 A• it 260 V3 A• it 270 V3 A• it 280 V2 A• it 280 V0.3 A• it 280 V0.222 A• it 280 V0.11 AContact rating of auxiliary contacts according to ULProtective and functionsIt folded current (FLA) for 3-phase AC motor• it 480 V rated value10A• it 680 V rated value10A<		
Auxiliary circuit         integrated           design of the auxiliary switch         integrated           • note         for contacts of auxiliary contacts           • note         ax           • note         ax           • atta 4V         ax           • atta 5V         ax           • atta 4V	<ul> <li>at 500 V rated value</li> </ul>	5.5 kW
design of the auxiliary switch         inlegraded           number of NC contacts for auxiliary contacts         1           • note         for contactor disconnection           number of NC contacts for auxiliary contacts         1           • note         for contactor disconnection           number of CO contacts for auxiliary contacts         0           Operational current of auxiliary contacts at AC-15         3 A           • at 120 V         3 A           • at 24 V         3 A           • at 25 V         3 A           • at 24 V         0           • at 24 V         0           • at 25 V         0           • at 26 V         0.3 A           • at 27 V         0.22 A           • at 28 V         0.24 A           • at 60 V tated value         10 A <th>• at 690 V rated value</th> <th>7.5 kW</th>	• at 690 V rated value	7.5 kW
number of NC contacts for auxiliary contacts         1           • nole         for contactor disconnection           number of NC contacts for auxiliary contacts         1           • nole         for message "Tripped"           number of CC contacts for auxiliary contacts at AC-15         3           • e124 V         3A           • e125 V         3A           • e124 V         3A           • e120 V         2A           • e120 V         2A           • e120 V         0.3A           • e120 V         0.2A           • e120 V         0.2A           • e120 V         0.2A           • e120 V         0.2A           • e120 V         <	Auxiliary circuit	
• note         for contracts for auxiliary contacts           • note         for message "Tripped"           • note         is message "Tripped"           • note         0           • note         3A           • at 110 V         3A           • at 120 V         3A           • at 120 V         3A           • at 120 V         3A           • at 230 V         3A           • at 240 V         3A           • at 240 V         3A           • at 250 V         3A           • at 240 V         3A           • at 240 V         3A           • at 250 V         3A           • at 260 V         0.3A           • at 260 V         0.22 A           • at 260 V         0.22 A           • at 27 V         0.22 A           • at 280 V rated value         10.4           bool rated value rate rate rate of a suxiliary contacts according to U         10.4           boor rate rate rate rate rate rate rate rat	design of the auxiliary switch	integrated
number of NO contacts for auxiliary contacts         1           enote         for message "Tripped"           number of CO contacts for auxiliary contacts at AC-15         3           eit 24 V         3A           eit 120 V         3A           eit 230 V         3A           eit 24 V         3A           eit 250 V         3A           eit 260 V         3A           eit 270 V         3A           eit 280 V         2A           eit 280 V         03A           eit 280 V         03A           eit 280 V         032A           eit 190 V         03A           contact rating of auxiliary contacts according to UL         B000 / R300           Protective and monitoring functions         ftp class           ftp class         CLASS 10           delagn of the overload release         themal           ULCSA rating of auxiliary and contacts         10 A           Short-tircuit protection         ftp auxiliary switch requine           Installoit/or indust pan	number of NC contacts for auxiliary contacts	1
• notefor message "Tripped"number of Contacts for auxiliary contacts0• dt 24 V3 A• dt 120 V3 A• dt 120 V3 A• dt 120 V3 A• dt 120 V2 A• dt 230 V2 A• dt 24 V0 A• dt 230 V2 A• dt 24 V0 A• dt 25 V0 A• dt 24 V0 A• dt 25 V0 A• dt 24 V0 A• dt 25 V0 A• dt 26 V0 A• dt 27 V0 A• dt 28 V0 A• dt 28 V0 A• dt 29 V0 A• dt 20 V ratch value0 A• dt 20 V ratch value0 A• dt 20 V ratch value10 A• dt	• note	for contactor disconnection
number of CO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         3 A           • at 12 V         3 A           • at 12 V         3 A           • at 12 V         3 A           • at 230 V         3 A           • at 230 V         3 A           • at 240 V         2 A           • at 220 V         0.22 A           • at 220 V         0.22 A           • at 220 V         0.22 A           • at 340 V rated value         0.04 R300           Protective and monitoring functions         Tit p class           full-load current (FLA) for 3-phase AC motor         10 A           • at 480 V rated value         10 A           • at 480 V rated value         10 A           • brot-forcit protection of the auxiliary switch required         10 A           • at 480 V rated value         10 A           • brot-forcit protection         stand-alone installation           fastening method         80	number of NO contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15       3 A         • at 24 V       3 A         • at 120 V       3 A         • at 125 V       3 A         • at 230 V       2 A         • at 240 V       2 A         • at 250 V       2 A         • at 240 V       2 A         • at 60 V       0.3 A         • at 10 V       0.22 A         • at 125 V       0.3 A         • at 24 V       0.11 A         operational current of auxiliary contacts at DC-13       0.22 A         • at 80 V       0.22 A         • at 125 V       0.22 A         • at 25 V       0.22 A         • at 25 V       0.11 A         B000 / R300       Productwand monitoring functions         frightact auxiliary contacts according to UL       B000 / R300         Product and nonitoring functions       Ithermal         full-dad current (FLA) for 3-phase AC motor       10 A         • at 80 V rated value       10 A         • at 60 V rated value       10 A         • at 60 V rated value       10 A         • for short-circuit protection of the auxiliary switch required       fastenial method         instal-alone installation       sinct-alone installation	• note	for message "Tripped"
• at 24 V     3 A       • at 110 V     3 A       • at 120 V     3 A       • at 120 V     3 A       • at 230 V     2 A       • at 240 V     1 A       operational current of auxiliary contacts at DC-13     2 A       • at 24 V     2 A       • at 25 V     0.22 A       • at 26 V     0.3 A       • at 27 V     0.22 A       • at 10 V     0.3 A       • at 110 V     0.22 A       • at 125 V     0.22 A       • at 120 V     0.02 A       • at 120 V     0.02 A       • at 120 V     0.02 A       • at 220 V     0.01 A       Contact rating of auxiliary contacts according to UL     0.01 A       Protective and monitoring functions     Ture tass       fill-load current (FLA) for 3-phase AC motor     10 A       • at 480 V rated value     10 A       • at 600 V rated value     10 A       • for short cicula protection of the auxiliary switch required     fuse giG: 6 A, quick: 10 A       required     10 A       fastening method     sand-alone installation       height     80 mm	number of CO contacts for auxiliary contacts	0
• at 110 V3 A• at 120 V3 A• at 120 V3 A• at 230 V2 A• at 240 V1 Aoperational current of auxiliary contacts at DC-132 A• at 80 V2 A• at 80 V2 A• at 10 V0.3 A• at 110 V0.22 A• at 125 V0.22 A• at 125 V0.22 A• at 220 V0.11 AContact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsthermaltrip classCLASS 10design of the overload releasethermalU/CSA rating10 A• at 480 V rated value10 A• at 680 V rated value10 A• at 480 V rated value10 A• fastening methodsind-alone installationheight89 mm• for short-circuit protection of the auxiliary switch requiredmounting positionarryfastening methodsind-alone installationheight89 mm• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main circuit actualscrew-type terminals• for main circuit actual2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> <td< th=""><th>operational current of auxiliary contacts at AC-15</th><th></th></td<>	operational current of auxiliary contacts at AC-15	
• al 120 V3 A• al 125 V3 A• al 125 V3 A• al 20 V1 Aoperational current of auxiliary contacts at DC-132 A• al 24 V2 A• al 24 V2 A• al 24 V0.3 A• al 24 V0.3 A• al 125 V0.22 A• al 125 V0.22 A• al 125 V0.22 A• al 125 V0.22 A• al 220 V0.11 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsCLASS 10trip classCLASS 10design of the overload releasethermalUUCSA ratingsUUCSA ratingsOutred value10 A• al 480 V rated value10 A• for short-clouit protection of the auxiliary switch requiredfuse gG: 6 A, quick: 10 A• for short-clouit protection of the auxiliary switch required80 m• for short-clouit protection of the auxiliary switch required80 m• for short-clouit protection of the auxiliary switch required80 m• for short-clouit protection of the auxiliary switch required80 m• for switch required80 m• for funct current of clouitscrew-type terminals• for funct current of clouitscrew-type terminals• for funct clouitscrew-type terminals• for auxiliary and control clo	• at 24 V	3 A
• at 125 V     3 A       • at 200 V     2 A       • at 200 V     2 A       • at 24 V     2 A       • at 60 V     0.3 A       • at 10 V     0.22 A       • at 10 V     0.22 A       • at 220 V     0.11 A       contact rating of auxiliary contacts according to UL     B800 Protective and monitoring functions       Protective and monitoring functions     CLASS 10       trip class     CLASS 10       design of the overload release     thermal       U/CSA ratings     10 A       • at 800 V rated value     10 A       • for short-circuit protection of the auxiliary switch required     fuse gG: 6 A, quick: 10 A       Installation/ mounting/ dimensions     any       mounting position     any       fastening method     45 mm       height     80 mm       Vivith     45 mm       depth     80 mm       Vivith     45 mm       of or short-circuit protection of the auxiliary and control circuit     screw-type terminals       of ra auxiliary and control circuit     screw-type terminals       of or auxiliary and control circuit     screw-type terminals       <	• at 110 V	3 A
• at 230 ∨     2 A       • at 400 ∨     1 A       • at 24 ∨     2 A       • at 24 ∨     2 A       • at 60 ∨     0.3 A       • at 160 ∨     0.22 A       • at 125 ∨     0.22 A       • at 220 ∨     0.11 A       contact rating of auxiliary contacts according to UL     B600 / R300       Protective and monitoring functions     T       trip class     CLASS 10       design of the overload release     thermal       UL/CSA ratings     10 A       st 800 ∨ rated value     10 A       • at 800 ∨ rated value     10 A       • at 800 ∨ rated value     10 A       • for short-circuit protection of the auxiliary switch required     fuse gG: 6 A, quick: 10 A       • for short-circuit protection of the auxiliary switch required     89 mm       • for short-circuit protection of the auxiliary switch required     89 mm       • for short-circuit protection of the auxiliary and control circuit     89 mm       • for auxiliary and control circuit     screw-type terminals       • for auxiliary contacts for main current circuit     screw-type terminals       • for auxiliary and control circuit     screw-type terminals       • for auxiliary and control circuit     screw-type terminals       • for auxiliary and control circuit     screw-type terminals       • for au	• at 120 V	3 A
• at 400 V     1 A       operational current of auxiliary contacts at DC-13     2 A       • at 24 V     2 A       • at 60 V     0.3 A       • at 10 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     CLASS 10       trip class     CLASS 10       design of the overload release     thermal       U/CSA ratings     Tull-Osd current (FLA) for 3-phase AC motor       • at 800 V rated value     10 A       • for short-circuit protection of the auxiliary switch required     fuse gG: 6 A, quick: 10 A       Installation/ mounting/ dimensions     any       fastening method     any       height     80 mm       doptd     80 mm       Contor component removable terminal for auxillary     No       Control control circuit     screw-type terminals       of or auxillary and control circuit     screw-type terminals       of or auxillary and control circuit     screw-type terminals       of a down of electrical connectors     arw-type terminals       of a down of electrical connec	• at 125 V	3 A
operational current of auxiliary contacts at DC-13       2 A         • at 24 V       2 A         • at 80 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         Protectivo and monitoring functions       trip class         (design of the overload release       thermal         UL/CSA ratings       CLASS 10         full-load current (FLA) for 3-phase AC motor       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • for short-circuit protection of the auxiliary switch required       fuse g6: 6 A, quick: 10 A         Instaliation mounting dimensions       any         mounting position       any         fastering method       stand-alone installation         height       80 mm         width       45 mm         depth       80 mm         Connections/ Forminals       screw-type te	• at 230 V	2 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 125 V     0.22 A       • at 220 V     0.11 A       Contact rating of auxiliary contacts according to UL     B800 / R300       Protective and monitoring functions     EB00 / R300       Protective and monitoring functions     CLASS 10       design of the overload release     thermai       UL/CSA ratings     CLASS 10       full-load current (FLA) for 3-phase AC motor     • at 480 V rated value       • at 480 V rated value     10 A       • at 600 V rated value     10 A       Short-circuit protection of the auxiliary switch required     fuse gG: 6 A, quick: 10 A       required     fuse link       • for short-circuit protection of the auxiliary switch required     80 mm       mounting dimensions     and -alone installation       neight     80 mm       width     45 mm       depth     80 mm       Connections/ Terminals     screw-type terminals       or or shanded     screw-type terminals       or or shanded     2x (0.5 1, 5 mm <sup>3</sup> ), 2x (0.75 2, 5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> ype of electrical connectors for main current circuit     screw-type terminals       or or auxiliary and control circuit     screw-type terminals <th>• at 400 V</th> <th>1 A</th>	• at 400 V	1 A
• at 60 V0.3 A• at 110 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to ULB00 / R300Protective and monitoring functionstrip classclassCLASS 10design of the overload releasethermalUU/CS A ratingsUU/CS A ratingsUU/CS A rating of unit or the overload release10 Aet at 800 V rated value10 A• at 800 V rated value10 A• at 600 V rated value10 A• at 600 V rated value10 A• at 600 V rated value10 A• for short-circuit protectionfuse gG: 6 A, quick: 10 A• for short-circuit protection of the auxiliary switch requiredstand-alone installation• for short-circuit protection of the auxiliary switch required89 mm• fastening method89 mmheight89 mmwidth45 mmdepth00 mmConnectorol Torminalsscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary contactszx (0.5 1.5 mm²), zx (0.	operational current of auxiliary contacts at DC-13	
• at 110 V0.22 A• at 125 V0.22 A• at 220 V0.11 Acontact rating of auxillary contacts according to UL8600 / R300Protective and monitoring functionsCLASS 10design of the overload releasethermalUL/CSA ratingsCLASS 10full-load current (FLA) for 3-phase AC motor• at 430 V rated value• at 430 V rated value10 A• at 430 V rated value10 A• bort-circuit protectionuse gG: 6 A, quick: 10 A• for short-circuit protection of the auxiliary switch requiredstand-alone installationInstallation / mounting/ dimensionsanymounting positionanyfastening methodstand-alone installationheight80 mmConnections/ TorminalsSorew-type terminalstype of electrical connectoriascrew-type terminals• for main current dircuitscrew-type terminals• for auxiliary and contoci circuitscrew-type terminals• for auxiliary and	• at 24 V	2 A
• at 125 V       0.22 A         • at 220 V       0.11 A         contact rating of auxillary contacts according to UL       B600 / R300         Protective and monitoring functions       CLASS 10         full-load current (FLA) for 3-phase AC motor       • at 480 V rated value         • at 480 V rated value       10 A         • at 800 V rated value       10 A         • at 600 V rated value       10 A         • for short-circul protection       fuse gC: 6 A, quick: 10 A         Installation/ mounting/ dimensions       fuse gC: 6 A, quick: 10 A         mounting position       any         fastening method       stand-alone installation         height       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals       screw-type terminals         of or auxiliary and control circuit       screw-type terminals         i for auxiliary and control dircuit       screw-type terminals         <	• at 60 V	0.3 A
• at 220 V     0.11 A       contact rating of auxiliary contacts according to UL     B800 / R300       Protective and monitoring functions     T       ftip class     CLASS 10       design of the overload release     thermal       UL/CSA ratings     T       full-load current (FLA) for 3-phase AC motor     10 A       • at 4800 V rated value     10 A       • at 600 V rated value     10 A       • at 600 V rated value     10 A       Short-circuit protection     tuse [G: 6 A, quick: 10 A       design of the fuse link     fuse [G: 6 A, quick: 10 A       • for short-circuit protection of the auxiliary switch required     andy       fastening method     astand-alone installation       height     89 mm       width     45 mm       depth     80 mm       Connections/ Terminals     screw-type terminals       product component removable terminal for auxiliary and control circuit     screw-type terminals       arrangement of electrical connectors for main current circuit     screw-type terminals       • for auxiliary and control circuit     screw-type terminals       • for auxiliary	• at 110 V	0.22 A
contact rating of auxiliary contacts according to UL         B600 / R300           Protective and monitoring functions         Important State	• at 125 V	0.22 A
Protective and monitoring functions         trip class       CLASS 10         design of the overload release       thermal         U/CSA ratings       full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>10 A</li> <li>at 600 V rated value</li> <li>10 A</li> </ul> e at 600 V rated value       10 A         full-load current (FLA) for 3-phase AC motor       10 A         e at 600 V rated value       10 A         for short-circuit protection       design of the fuse link         e for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting / dimensions       any         mounting position       any         fastening method       stand-alone installation         height       80 mm         width       45 mm         depth       80 mm         Connections/ Terminals       screw-type terminals         product component removable terminal for auxiliary       No         arrangement of electrical connectors for main current circuit       screw-type terminals         * for main current circuit       screw-type terminals         * for main contacts       - solid or stranded         - solid or stranded       2x (0, 5 1, 5 mn²), 2x (0, 75	• at 220 V	0.11 A
trip class       CLASS 10         design of the overload release       thermal         UL/CSA ratings       full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • for short-circuit protection       fuse gG: 6 A, quick: 10 A         required       mounting officienci         mounting position       any         fastening method       stand-alone installation         height       80 mm         width       45 mm         depth       80 mm         Connections/ Terminals       remulting control circuit         product component removable terminal for auxiliary and control circuit       screw-type terminals         efor auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       screw-type terminals         efor auxiliary and control circuit       screw-type terminals <t< th=""><th>contact rating of auxiliary contacts according to UL</th><th>B600 / R300</th></t<>	contact rating of auxiliary contacts according to UL	B600 / R300
design of the overload release       thermal         UL/CSA ratings       10 A         i at 480 V rated value       10 A         i at 600 V rated value       10 A         i at 600 V rated value       10 A         Short-circuit protection       10 A         design of the fuse link       i to result protection of the auxiliary switch required         installation/ mounting/ dimensions       any         fastening method       stand-alone installation         height       80 mm         width       45 mm         depth       80 mm         Connectons/ Terminals       connectons/ Terminals         product component removable terminal for auxiliary and control circuit       screw-type terminals         i for main current dricuit       screw-type terminals         i for auxiliary and control circuit       Top and bottom         type of connectable conductor cross-sections       i for auxiliary and control circuit         type of connectable conductor cross-sections       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         i at AWG cables for main contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         i at AWG cables for main contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         i at AWG cables for main contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)<	Protective and monitoring functions	
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       10 A         • at 600 V rated value       10 A         st 600 V rated value       10 A         st 600 V rated value       10 A         design of the fuse link       10 A         • for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       any         mounting position       any         fastening method       89 mm         height       80 mm         width       45 mm         depth       80 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors       screw-type terminals         arrangement of electrical connectors for main current circuit       screw-type terminals         of or main current circuit       screw-type terminals         - finely stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         • for auxiliary contacts       2x	trip class	CLASS 10
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       10 A         • at 600 V rated value       10 A         st 600 V rated value       10 A         design of the fuse link       fuse gG: 6 A, quick: 10 A         required       required         Installation/ mounting/ dimensions       any         mounting position       any         fastening method       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors       screw-type terminals         arrangement of electrical connectors for main current circuit       screw-type terminals         if or anal current circuit       screw-type terminals         arrangement of electrical connectors for main current       To p and bottom         e for main contacts       2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup>	design of the overload release	thermal
full-load current (FLA) for 3-phase AC motor       10 A         • at 480 V rated value       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         Short-circuit protection       design of the fuse link         • for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       fuse gG: 6 A, quick: 10 A         fastening method       any         fastening method       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals       No         Product component removable terminal for auxiliary and control circuit       screw-type terminals         e for main current circuit       screw-type terminals         errangement of electrical connectors for main current circuit       Top and bottom         • for main current circuit       screw-type terminals         errow-type of connectable conductor cross-sections       • for main contacts         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         • for auxiliary contacts       2x (0,5 1,5 mm²	UL/CSA ratings	
• at 480 V rated value10 A• at 600 V rated value10 AShot-circuit protection10 Adesign of the fuse link • for short-circuit protection of the auxiliary switch requiredfuse gG: 6 A, quick: 10 AInstallation/ mounting/ dimensionsanyfastening methodstand-alone installationheight89 mmwidth45 mmdepth80 mmConnections/ TerminalsNoproduct component removable terminal for auxiliary and control circuitNotype of electrical connection circuitscrew-type terminals screw-type terminalsof main contractsTop and bottom• for main contractsTop and bottom• for main contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for main contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary ond cost2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm		
Short-circuit protection         design of the fuse link • for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       any         fastening method       any         fastening method       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       No         of or auxiliary and control circuit       screw-type terminals         e for auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections       • for main contracts         - solid or stranded       2x (0, 5 1, 5 mm²), 2x (0, 75 2, 5 mm²), 2x 4 mm²         2x (20 16), 2x (18 14), 2x 12       type of connectable conductor cross-sections         • for auxiliary contacts       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)         • for auxiliary contacts       - solid or stranded         - solid or stranded       2x (0, 5 1, 5 mm²), 2x (0, 75 2, 5 mm²)         • for auxiliary contacts       - solid or stranded <t< th=""><th></th><th>10 A</th></t<>		10 A
Short-circuit protection         design of the fuse link • for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       any         fastening method       any         fastening method       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       No         of or auxiliary and control circuit       screw-type terminals         e for auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections       • for main contracts         - solid or stranded       2x (0, 5 1, 5 mm²), 2x (0, 75 2, 5 mm²), 2x 4 mm²         2x (20 16), 2x (18 14), 2x 12       type of connectable conductor cross-sections         • for auxiliary contacts       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)         • for auxiliary contacts       - solid or stranded         - solid or stranded       2x (0, 5 1, 5 mm²), 2x (0, 75 2, 5 mm²)         • for auxiliary contacts       - solid or stranded <t< th=""><th><ul> <li>at 600 V rated value</li> </ul></th><th>10 A</th></t<>	<ul> <li>at 600 V rated value</li> </ul>	10 A
design of the fuse link <ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> fuse gG: 6 A, quick: 10 A           Installation/ mounting/ dimensions              any             fastening method <ul> <li>any</li> <li>fastening method</li> <li>bight</li> <li>89 mm</li> </ul> any <ul> <li>fastening method</li> <li>bight</li> <li>80 mm</li> </ul> Connections/ Terminals <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>arrangement of electrical connectors for main current circuit</li> <li>for auxiliary and control cross-sections</li> <li>for main contacts</li> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>at AWG cables for main contacts</li> <li>at AWG cables for main contacts</li> <li>at awiliary contacts</li> <li>– solid or stranded</li> <li>for auxiliary contacts</li> <li>at awiliary contacts</li> <li>at awiliary contacts</li> <li>at awiliary contacts</li> <li>at awiliary contacts</li> <li>any and contacts</li> <li>any and contacts</li> <li>any contacts</li> <li>any contacts</li> <l< th=""><th></th><th></th></l<></ul>		
• for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       any         fastening method       stand-alone installation         height       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals         product component removable terminal for auxiliary and control circuit       No         type of electrical connection       screw-type terminals         • for main current circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections       • for main contacts         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded thic core end processing       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         • for auxiliary contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         • for auxiliary contacts       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)		
required       Installation / mounting / dimensions         mounting position       any         fastening method       stand-alone installation         height       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals         product component removable terminal for auxiliary and control circuit       No         type of electrical connection       screw-type terminals         • for main current circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections       • for main contacts         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         2x (20 10, 2x (18 14), 2x 12       type of connectable conductor cross-sections         • for auxiliary contacts       2x (20 1,5 mm²), 2x (0,75 2,5 mm²)         - solid or stranded       2x (20 15, mm²), 2x (0,75 2,5 mm²)         type of connectable conductor cross-sections       • for auxiliary contacts         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         2x (20 16), 2x (18 14), 2x 12       terma		fuse aG: 6 A quick: 10 A
mounting position       any         fastening method       stand-alone installation         height       89 mm         width       45 mm         depth       80 mm         Connections/ Terminals         product component removable terminal for auxiliary and control circuit       No         type of electrical connection       screw-type terminals         • for auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections       • for main contacts         - solid or stranded       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)       2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²)         type of connectable conductor cross-sections       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         • for auxiliary contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         • for auxiliary contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		
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fastening methodstand-alone installationheight89 mmwidth45 mmdepth80 mmConnections/ Terminalsproduct component removable terminal for auxiliary and control circuitNotype of electrical connection • for main current circuitNoerrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contacts - solid or strandedZx (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) 2x (0.5 14), 2x 12type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 	mounting position	any
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Connections/ Terminals         product component removable terminal for auxiliary and control circuit       No         type of electrical connection <ul> <li>for main current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul> arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>scient stranded</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²</li> <li>2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> </ul>		45 mm
Connections/ Terminals         product component removable terminal for auxiliary and control circuit       No         type of electrical connection <ul> <li>for main current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul> arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>sclid or stranded</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²</li> <li>2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>at AWG cables for main contacts</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> </ul>	depth	80 mm
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• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections-• for main contacts solid or stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 16, 2x (18 14), 2x 12type of connectable conductor cross-sections2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for auxiliary contacts2x (0,5 16, 2x (18 14), 2x 12type of connectable conductor cross-sections2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		
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type of connectable conductor cross-sections• for main contacts- solid or stranded- finely stranded with core end processing• at AWG cables for main contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12type of connectable conductor cross-sections• for auxiliary contacts- solid or stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		Top and bottom
• for main contacts       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)         • at AWG cables for main contacts       2x (20 16), 2x (18 14), 2x 12         type of connectable conductor cross-sections		
— solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         — finely stranded with core end processing       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         • at AWG cables for main contacts       2x (20 16), 2x (18 14), 2x 12         type of connectable conductor cross-sections		
— finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • at AWG cables for main contacts       2x (20 16), 2x (18 14), 2x 12         type of connectable conductor cross-sections       - for auxiliary contacts         • for auxiliary contacts       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)		
• at AWG cables for main contacts       2x (20 16), 2x (18 14), 2x 12         type of connectable conductor cross-sections       - solid or stranded         • for auxiliary contacts       - solid or stranded         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		
type of connectable conductor cross-sections       •         • for auxiliary contacts       -         — solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		
• for auxiliary contacts — solid or stranded 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )		2x (20 16), 2x (18 14), 2x 12
solid or stranded 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )		
- Tinely stranded with core end processing $2x (0.5 \dots 1.5 \text{ mm}^2), 2x (0.75 \dots 2.5 \text{ mm}^2)$		
	— Tinely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)

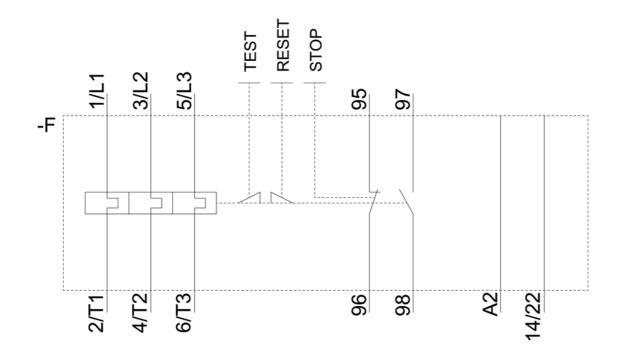
	s for auxiliary contacts		2x (20	16), 2x (18 14)		
tightening torque						
	cts with screw-type term			1.2 N·m		
	ntacts with screw-type to	erminals		1.2 N·m		
design of screwdriver shaft			Diameter 5 6 mm			
size of the screwdri	•		Pozidi	iv PZ 2		
•	d of the connection sc	rew				
for main contact			M3			
	and control contacts		M3			
Safety related data						
	low demand rate acc. to	5 SN 31920	50 FIT			
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General Product A	pproval				For use in hazardo	ous locations
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