## SIEMENS

## Data sheet

## 3RU2116-0HB0



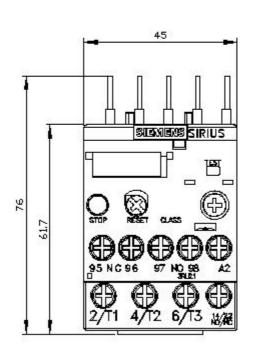
Overload relay 0.55...0.80 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

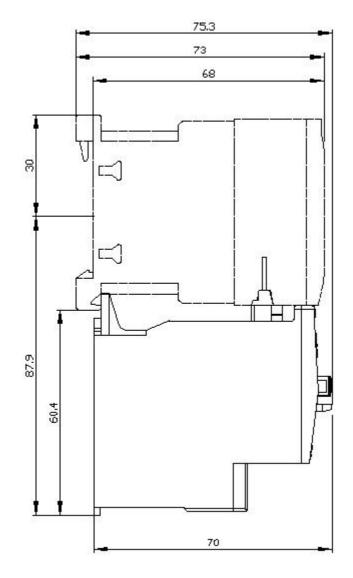
product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	S00
size of contactor can be combined company-specific	S00
power loss [W] for rated value of the current at AC in hot operating state	4.8 W
per pole	1.6 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	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	0.55 0.8 A
<ul> <li>operating voltage</li> <li>rated value</li> </ul>	690 V

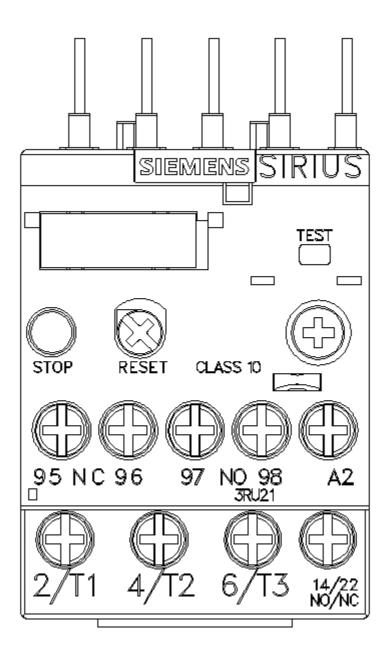
operating hequins(y relativative         60         80         80         80           operating power at AC-3         0.8 A         0.9 A         0.9 A           operating power at AC-3         0.8 A         0.25 kW         0.3 KW           at 600 V rated value         0.37 kW         0.37 kW         0.37 kW           Availlary circuit         Hegrated         1         0.0 kW         0.37 kW           design of the auxiliary contacts         1         1         0.0 kW         0.37 kW           number of NC contacts for auxiliary contacts         1         1         1         0.0 kW         0.3 A         0.0 kW         0.0	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operation governer at AC-3         0.8 A           operating power IA C-3         0.15 kW           • at 400 V rated value         0.25 kW           • at 500 V rated value         0.27 kW           Auxiliary circuit         integrated           design of the auxiliary writch         integrated           number of NC contacts for auxiliary contacts         1           • note         for contactor disconnection           number of NC contacts for auxiliary contacts         0           • note         for message "Tripped"           operational current of auxiliary contacts at AC-15         0           • at 20 V         3A           • at 12 V         3A           • at 20 V         3A           • at 20 V         3A           • at 20 V         2A           • at 20 V         0.3A           • at 20 V         0.22 A           • at 20 V         0.3A           • at 20 V		
operating power at AC-3         0.18 kW         0.18 kW           • at 400 V rade value         0.28 kW         0.28 kW           • at 500 V rade value         0.27 kW           Availary decimit         Integrated           design of the auxiliary switch         Integrated           number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         0           • at 10 V         3 A           • at 125 V         3 A           • at 120 V         0 Contacts for auxiliary contacts at DC-13           • at 20 V         0.3 A           • at 120 V         0.3 A           • at 20 V         0.3 A           • at 120 V         0.3 A           • at 20 V rated value         0.8 A           fulload current (FLA)		
• at 400 V rated value         0.18 kW           • at 630 V rated value         0.37 kW           Auxiliary circuit         0.37 kW           design of the auxiliary strich         Integrated           number of NC contacts for auxiliary contacts         1           • note         for contactor disconnection           number of NC contacts for auxiliary contacts         1           • note         for message "Tripped"           number of CO contacts for auxiliary contacts at AC-15         3.4           • at 24 V         3.4           • at 125 V         3.4           • at 24 V         3.4           • at 20 V         2.4           • at 20 V         3.4           • at 20 V         3.4           • at 20 V         2.4           • at 20 V         2.4           • at 20 V         2.4           • at 20 V         0.11 A           contacts rating of auxiliary contacts at DC-13         0.22 A           • at 10 V         0.22 A           • at 20 V         0.22 A           • at 30 V rated value         0.8 A		
• at 800 V rated value       0.25 kW         Auxiliary circuit       Integrated         design of the auxiliary switch       Integrated         number of KC contacts for auxiliary contacts       1         • note       for contactor for auxiliary contacts         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 W       2 A         • at 400 V       2 A         • at 400 V       0.3 A         • at 220 V       2 A         • at 800 V       0.3 A         • at 80 V       0.3 A         • at 220 V       0.11 A         contact rating of auxiliary contacts according to UL       B800 / R300         Productiva ad monitoring functions       Thermal         Thick add current (FLA) for 3-phase AC motor       0.8 A         • at 400 V rated value       0.8 A         • at 400 V rated value       0.8 A         Dior stactin		0.18 kW
• at 690 V rated value     0.37 kW       Auxiliary circuit     Integrated       number of NC contacts for auxiliary contacts     1       • note     for contactor disconnection       number of NO contacts for auxiliary contacts     0       operational current of auxiliary contacts at AC-15     3A       • at 24 V     3A       • at 125 V     3A       • at 20 V     2A       • at 20 V     2A       • at 24 V     3A       • at 25 V     3A       • at 24 V     3A       • at 25 V     3A       • at 20 V     2A       • at 20 V     0.11 A       contact rating of auxiliary contacts at DC-13     •       • at 20 V     0.11 A       contact rating of auxiliary contacts according to UL     B00/ R300       Protective and monitoring functions     tip class       cl ASS 10     tip class       full-Gad current (FLA) for 3-phase AC motor     •       • at 400 V rated value     0.8 A       • at 400 V rated value     0.8 A       • at 400 V rated value     0.8 A       • at 400 V rated value		
Auxiliary circuit       integrated         design of the auxiliary switch       integrated         number of NC contacts for auxiliary contacts       for contactor disconnection         number of NC contacts for auxiliary contacts       for message "Tripped"         number of NC contacts for auxiliary contacts       0         operational current of auxiliary contacts at AC-15       3A         • at 120 V       1A         operational current of auxiliary contacts at DC-13       4A         • at 220 V       0.22 A         • at 120 V       0.22 A         • at 120 V       0.22 A         • at 220 V       0.22 A         • at 220 V       0.22 A         • at 200 V rade value       0.8 A         0 V rade value       0.8 A         0 SA       0.8 A         0 SA <th></th> <th></th>		
design of the auxiliary switch     integrated       number of NC contacts for auxiliary contacts     1       enote     for contactor disconnection       number of NO contacts for auxiliary contacts     1       enote     for message "Tripped"       number of CO contacts for auxiliary contacts at AC-15     3 A       e at 24 V     3 A       e at 25 V     3 A       e at 20 V     2 A       e at 20 V     0.11 A       contact rating of auxiliary contacts at DC-13     eit 10 V       e at 20 V     0.11 A       contact rating of auxiliary contacts according to UL     B800 / R300       Protective and monitoring functions     thermal       ULUSA rating     0.8 A       e at 480 V rated value     0.8 A       shartering method     0.8 A       height     76 mm       fastening method     60 mm       height     70 mm       Contactor mounting     fmastand <th></th> <th>0.07 KW</th>		0.07 KW
number of NC contacts for auxiliary contacts         1           in note         for contacts for auxiliary contacts           in note         tor message "Tripped"           number of NO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         3A           ist 24 V         3A           ist 120 V         3A           ist 24 V         3A           ist 25 V         3A           ist 26 V         0.3A           ist 26 V         0.22 A           ist 27 V         0.22 A           ist 20 V rotate value         0.8 A           ist 20 V rated value         0.8 A           ist 600 V rated value         0.8 A           ist 600 V rated va		integrated
• note         for contactor disconnection           number of OC contacts for auxiliary contacts         1           operational current of auxiliary contacts at AC-15         0           • at 24 V         3A           • at 110 V         3A           • at 120 V         3A           • at 120 V         3A           • at 120 V         3A           • at 24 V         3A           • at 25 V         2A           • at 26 V         2A           • at 26 V         0.3 A           • at 27 V         0.3 A           • at 20 V         0.22 A           • at 20 V         0.11 A           contact rating of auxiliary contacts according to UL         B600 / R300           Protective and monitoring functions         Ithermai           UUCSA ratings         Class 10           full-ood current (FLA) for 3-phase AC motor         0.8 A           • at 400 V rated value         0		
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       3 A         • at 120 V       3 A         • at 230 V       2 A         • at 24 V       3 A         • at 25 V       3 A         • at 20 V       2 A         • at 20 V       2 A         • at 20 V       0.3 A         • at 10 V       0.22 A         • at 20 V       0.11 A         contact rating of auxiliary contacts at DC-13       • at 20 V         • at 20 V       0.11 A         contact rating of auxiliary contacts according to UL       B600 / R300         Protective and monitoring functions       thermal         ttrip class       CLASS 10         design of the overload release       0.8 A         ULCSA ratings       thurst score and the score an	-	
• note         for message "Tripped"           number of CO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         3           • at 24 V         3A           • at 110 V         3A           • at 120 V         3A           • at 120 V         3A           • at 24 V         3A           • at 250 V         2A           • at 400 V         1A           operational current of auxiliary contacts at DC-13         •           • at 24 V         2A           • at 60 V         0.3A           • at 10 V         0.22 A           • at 110 V         0.22 A           • at 125 V         0.22 A           • at 24 V         0.1A           contact rating of auxiliary contacts according to UL         B600 / R300           Protective and monitoring functions         UL/CSA statings           full-load current (FLA) for 3-phase AC motor         •           • at 400 V rated value         0.8 A           • at 600 V rated value         0.8 A           • at 600 V rated value         0.8 A           • at 600 V rated value         0.8 A           • for substion         any           fastating method		
number of CO contacts for auxiliary contacts at AC-15       0         operational current of auxiliary contacts at AC-15       3 A         • at 24 V       3 A         • at 110 V       3 A         • at 120 V       3 A         • at 20 V       3 A         • at 20 V       3 A         • at 20 V       2 A         • at 40 V       2 A         • at 40 V       2 A         • at 25 V       0.22 A         • at 20 V       0.3 A         • at 20 V       0.11 A         contact rating of auxiliary contacts at DC-13       0.22 A         • at 20 V       0.22 A         • at 40 V rated value       0.8 A         • at 600 V rated value       0.8 A         • at 600 V rated value       0.8 A     <		
operational current of auxiliary contacts at AC-15       3 A         • at 24 V       3 A         • at 110 V       3 A         • at 120 V       3 A         • at 120 V       3 A         • at 120 V       3 A         • at 230 V       2 A         • at 24 V       2 A         • at 20 V       2 A         • at 24 V       2 A         • at 24 V       2 A         • at 24 V       2 A         • at 20 V       0 3 A         • at 22 V       0 3 A         • at 22 V       0 3 A         • at 22 V       0 22 A         • at 22 V       0 21 A         • at 22 V       0 21 A         • at 22 V       0 11 A         contact rating of auxiliary contacts according to UL       B600 / R300         Protective and monitoring functions       thermal         UL/C5A ratings       CLASS 10         full-back current (FLA) for 3-phase AC motor       0 8 A         • at 800 V rated value       0 8 A         • bort-circuit protection of       fuse g6: 6 A, quick: 10 A         required       0 8 A         Short-circuit protection of the auxiliary switch required       fuse g6: 6 A, quick: 10 A		
		0
• at 110 V     3 A       • at 125 V     3 A       • at 125 V     3 A       • at 230 V     2 A       • at 240 V     1 A       operational current of auxiliary contacts at DC-13     2 A       • at 260 V     0 3 A       • at 27 V     0 3 A       • at 28 V     0 2 A       • at 10 V     0 2 A       • at 28 V     0 2 A       • at 28 V     0 2 A       • at 22 V     0 11 A       contact rating of auxiliary contacts according to UL     B600 / R300       Protective and monitoring functions     title class       title class     CLASS 10       design of the overload release     thermal       UL/CSA ratings     CLASS 10       total 480 V rated value     0.8 A       • at 800 V rated value     0.8 A       • at 600 V rated value     0.8 A       • at 600 V rated value     0.8 A       • at 600 V rated value     0.8 A       • for brue link     fuse gG: 6 A, quick: 10 A       required     required       Installatori mounting position     any       fastening method     Contactor mounting       height     76 mm       vidth     45 mm       depth     70 mm       connections/ terminals     screw-ty		2.4
• at 120 V     3 A       • at 125 V     3 A       • at 230 V     2 A       • at 400 V     1 A       operational current of auxiliary contacts at DC-13     2 A       • at 60 V     0 A       • at 72 V     2 A       • at 72 V     0 A       • at 800 V rated value     0 A       • at 800 V rated value     0 A       • at 800 V rated value     0 A       • at 600 V rated value <th></th> <th></th>		
• at 125 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 26 V       2 A         • at 27 V       2 A         • at 26 V       2 A         • at 27 V       2 A         • at 28 V       0.3 A         • at 22 V       0.22 A         • at 22 V       0.22 A         • at 22 V       0.22 A         • at 22 V       0.11 A         contact rating of auxiliary contacts according to UL       B600 / R300         Protective and monitoring functions       thirp class         design of the overload release       CLASS 10         thermal       UL/CSA ratings         full-load current (FLA) for 3-phase AC motor       •         • at 480 V rated value       0.8 A         • Short-circuit protection       Gesign of the fuse link         • 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       Contactor mounting         height       70 mm		
• at 230 V     2 A       • at 400 V     1 A       operational current of auxiliary contacts at DC-13     2 A       • at 24 V     2 A       • at 24 V     0.3 A       • at 10 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     Trip class       trip class     CLASS 10       design of the overload release     thermal       UL/CSA ratings     Tull A       full-load current (FLA) for 3-phase AC motor     0.8 A       • at 600 V rated value     0.8 A       • at 600 V rated value     0.8 A       • bort-circuit protection     fuse gG: 6 A, quick: 10 A       design of the fuse link     fuse gG: 6 A, quick: 10 A       • for short-circuit protection     Contactor mounting       fastening method     Contactor mounting       height     76 mm       width     45 mm       depth     70 mm       Connactions/ Terminals     screw-type terminals       ortroi dircuit     screw-type terminals       other divertion concetsite conductor cross-sections     • for anil corrent circuit       • for main contacts     - solid or stranded		
• at 400 V       1 A         operational current of auxiliary contacts at DC-13       2 A         • at 60 V       0.3 A         • at 10 V       0.22 A         • at 25 V       0.22 A         • at 220 V       0.11 A         contact rating of auxiliary contacts according to UL       B600 / R300         Protective and monitoring functions       Trip class         design of the overload release       thermal         UL/CSA ratings       0.8 A         full-load current (FLA) for 3-phase AC motor       0.8 A         • at 400 V rated value       0.8 A         • of rated value       0.8 A         • of rated value       0.8 A         • for short-circuit protection of the auxiliary switch reguired       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       fuse gG: 6 A, quick: 10 A         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         dopth       70 mm         Connections/ Terminals       screw-type terminals         product component removable terminal for auxiliary and control circuit       screw-type terminals         of auxiliary and control circuit       screw-type terminals </th <th></th> <th></th>		
operational current of auxiliary contacts at DC-13         2 A           • at 24 V         2 A           • at 86 V         0.3 A           • at 10 V         0.22 A           • at 10 V         0.22 A           • at 220 V         0.22 A           contact rating of auxiliary contacts according to UL         B600 / R300           Protective and monitoring functions         UL/CSA ratings           full-load current (FLA) for 3-phase AC motor         0.8 A           • at 480 V rated value         0.8 A           • at 480 V rated value         0.8 A           • at 600 V rated value         0.8 A           • for short-circuit protection of the auxiliary switch required         fuse gG: 6 A, quick: 10 A           Installation/ mounting/ dimensions         any           fastening method         A mm           design of the fuse link         45 mm           • for short-circuit protection of the auxiliary switch required         any           fastening method         70 mm           fordith         70 mm           velot tomponent removable terminal for auxiliary and control circuit         screw-type terminals           product component removable terminal for auxiliary and control circuit         screw-type terminals           • for auxiliary and control circuit <t< th=""><th></th><th></th></t<>		
<ul> <li>eit 24 V</li> <li>eit 60 V</li> <li>03 A</li> <li>04 at 20 V</li> <li>04 at 20 V</li> <li>04 at 20 V</li> <li>05 at 20 V</li> <li>04 at 20 V rated value</li> <li>0.8 A</li> <li>0.8 A</li> <li>04 at 20 V rated value</li> <li>0.8 A</li> <li>05 A</li> <li>05 at 20 V rated value</li> <li>0.8 A</li> <li>05 bort-circuit protection</li> <li>design of the fuse link</li> <li>10 or short-dircuit protection of the auxiliary switch required</li> <li>10 stability of the fuse link</li> <li>10 or short-dircuit protection of the auxiliary switch required</li> <li>10 or auxiliary and control circuit</li> <li>10 or auxiliary an</li></ul>		1 A
<ul> <li>at 60 V</li> <li>0.3 A</li> <li>at 110 V</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.23 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.22 A</li> <li>0.22 A</li> <li>0.21 A</li> <li>0.21 A</li> <li>0.21 A</li> <li>0.21 A</li></ul>	-	
<ul> <li>at 110 V</li> <li>at 225 V</li> <li>at 220 V</li> <li>contact rating of auxiliary contacts according to UL</li> <li>B800 / R300</li> <li>Protective and monitoring functions</li> <li>trip class</li> <li>CLASS 10</li> <li>design of the overload release</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>0.8 A</li> <li>at 600 V rated value</li> <li>0.8 A</li> </ul> </li> <li>Short-circuit protection of the auxiliary switch required</li> <li>fuse gG: 6 A, quick: 10 A</li> <li>fastening method</li> <li>fastening method</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fastening method</li> <li>for mm</li> <li>width</li> <li>45 mm</li> <li>76 mm</li> <li>width</li> <li>45 mm</li> <li>70 mm</li> <li>connactions/ Terminals</li> <li>product component removable terminal for auxiliary and control circuit</li> <li>for main control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>arrangement of</li></ul>		
• 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       Entry class         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       0.8 A         • at 600 V rated value       0.8 A         • at 600 V rated value       0.8 A         • of or short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/ mounting/ dimensions       mounting position         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         of or main current circuit       screw-type terminals         • for main current circuit       screw-type terminals         • for main current circuit       screw-type terminals         • for main contacts       - finely stranded       2x (0,5		
• 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       UL/CSA ratings     Itermal       full-load current (FLA) for 3-phase AC motor     0.8 A       • at 480 V rated value     0.8 A       • at 600 V rated value     0.8 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       mounting position     contactor mounting       height     76 mm       width     45 mm       depth     70 mm       Connections/ Terminals     screw-type terminals       product component removable terminal for auxiliary and control circuit     screw-type terminals       • 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 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	• at 110 V	
contact rating of auxiliary contacts according to UL       B600 / R300         Protective and monitoring functions       trip class         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       0.8 A         • at 600 V rate value       0.8 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       mounting position         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         if or auxiliary and control circuit       screw-type ter	• at 125 V	
Protective and monitoring functions         trip class       CLASS 10         design of the overload release       thermal         UL/CSA ratings       full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>0.8 A</li> <li>stort-circuit protection</li> </ul> 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> Installation/ mounting/ dimensions       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         • for main current circuit       screw-type terminals         • for auxiliary and control circui		0.11 A
trip class       CLASS 10         design of the overload release       thermal         UL/CSA ratings       Image: Construct of the second of th		B600 / R300
design of the overload release       thermal         UL/CSA ratings       full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>bat 480 V rate 480</li></ul>	Protective and monitoring functions	
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       0.8 A         • at 600 V rated value       0.8 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         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         i		
full-load current (FLA) for 3-phase AC motor       0.8 A         • at 480 V rated value       0.8 A         • at 600 V rated value       0.8 A         Short-circuit protection       0.8 A         design of the fuse link       • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions       fuse gG: 6 A, quick: 10 A         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control 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 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 480 V rated value       0.8 A         • at 600 V rated value       0.8 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       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       screw-type terminals         product component removable terminal for auxiliary and control circuit       screw-type terminals         if or auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current circuit       screw-type terminals         if or auxiliary and control circuit       screw-type terminals         arrangement of electrical connectors for main current       Top and bottom         • 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	design of the overload release	
• at 600 V rated value       0.8 Å         Short-circuit protection       design of the fuse link         • for short-circuit protection of the auxiliary switch required       fuse gG: 6 Å, quick: 10 Å         Installation/ mounting/ dimensions       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       screw-type terminals         • for auxiliary and control circuit       screw-type terminals         • for auxiliary and control circuit       screw-type terminals         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         - finely stranded with core end processing       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	design of the overload release UL/CSA ratings	
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         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       No         product component removable terminal for auxiliary and control circuit       No         type of electrical connection       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 contacts         - solid or stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal
design of the fuse link       fuse gG: 6 A, quick: 10 A         installation/mounting/ dimensions       any         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       product component removable terminal for auxiliary and control circuit         type of electrical connection       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       of or 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 (0.75 2,5 mm²)	design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 0.8 A
• for short-circuit protection of the auxiliary switch required       fuse gG: 6 A, quick: 10 A         Installation/mounting/dimensions       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/Terminals       No         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       screw-type terminals         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         - finely stranded with core end processing       2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm²	design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 0.8 A
required         Installation/ mounting/ dimensions         mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       70 mm         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         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)	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 0.8 A
mounting position       any         fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/Terminals       70 mm         product component removable terminal for auxiliary and control circuit       No         type of electrical connection       screw-type terminals         e 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         - finely stranded with core end processing       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)	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 0.8 A 0.8 A
fastening method       Contactor mounting         height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       70 mm         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       Top and bottom         • for main contacts       - solid or stranded         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	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 0.8 A 0.8 A
height       76 mm         width       45 mm         depth       70 mm         Connections/ Terminals       70 mm         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>for auxiliary and control circuit</li> <li>screw-type terminals</li> </ul> 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)	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 0.8 A 0.8 A
width       45 mm         depth       70 mm         Connections/ Terminals       70 mm         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         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)	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 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A
depth       70 mm         Connections/ Terminals       Volume         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         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	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 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any
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         - finely stranded with core end processing       2x (0,5 1.5 mm²), 2x (0.75 2.5 mm²)	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 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting
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         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm
control circuit       type of electrical connection         • for main current circuit       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         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> </ul> </li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>Top and bottom</li> <li>Top and bottom</li> <li>Top and bottom</li> </ul>	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> </ul> </li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>Top and bottom</li> <li>Top and bottom</li> <li>Top and bottom</li> </ul>	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
• 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         • for main contacts       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)	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
arrangement of electrical connectors for main current circuit       Top and bottom         type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> <ul> <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> </ul>	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	thermal 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No
<ul> <li>for main contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></li> </ul> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li>	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No screw-type terminals
<ul> <li>for main contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></li> </ul> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li>	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	thermal 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals
- finely stranded with core end processing 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )	design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> </ul> </li> </ul> </li>	thermal 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals
- finely stranded with core end processing 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )	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 0.8 A 0.8 A 0.8 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals
	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	thermal 0.8 A 0.8 A 0.8 A 1.8 A 1.8 A 1.9  fuse gG: 6 A, quick: 10 A 1.9  any Contactor mounting 76 mm 45 mm 70 mm 1.9  No Screw-type terminals screw-type terminals Top and bottom 1.9
	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         • 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 0.8 A 0.8 A 0.8 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

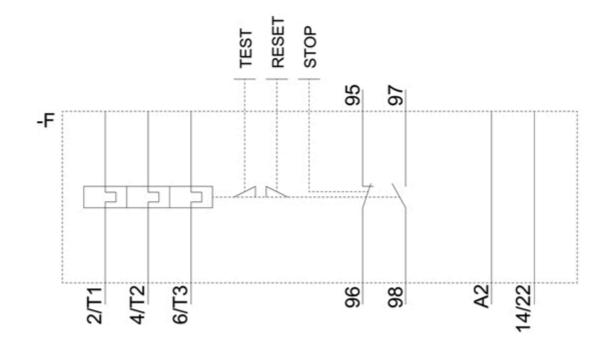
<ul> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,7 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.7 2x (20 16), 2x (18 14)			
tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals	0.8 1.2 N·m 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	MO			
for main contacts	M3 M3			
of the auxiliary and control contacts	IVI3			
Safety related data				
failure rate [FIT] with low demand rate acc. to SN 31920	50 FIT			
MTTF with high demand rate		2 280 y		
T1 value for proof test interval or service life acc. to IEC 61508	20 у			
protection class IP on the front acc. to IEC 60529	IP20			
touch protection on the front acc. to IEC 60529	finger-safe, for vertical conta	act from the front		
Display				
display version for switching status	Slide switch			
Certificates/ approvals				
General Product Approval		For use in hazardo	ous locations	
Declaration of				
Test Certificates       Type Test Certific- ates/Test Report     Special Test Certific- ate	Marine / Shipping		Llovds	
Conformity Test Certificates		<b>BUREAU</b> VERITAS	Livs Railway	
Conformity     Test Certificates       Type Test Certific- ates/Test Report     Special Test C ate       EG-Konf.     Type Test Certific- ates/Test Report     Special Test C ate	ertific-	<b>Other</b>	LRS	

## Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0HB0&objecttype=14&gridview=view1









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