## SIEMENS

## Data sheet

## 3RU2116-0DB0



Overload relay 0.22...0.32 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 designation	3RU2
General technical data	SRUZ
	200
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 protective separation	
<ul> <li>in networks with ungrounded star point between auxiliary and auxiliary circuit</li> </ul>	440 V
<ul> <li>in networks with grounded star point between auxiliary and auxiliary circuit</li> </ul>	440 V
<ul> <li>in networks with ungrounded star point between main and auxiliary circuit</li> </ul>	440 V
<ul> <li>in networks with grounded star point between main and auxiliary circuit</li> </ul>	440 V
shock resistance according to IEC 60068-2-27	8g / 11 ms
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	0.15 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-40 +70 °C
during storage	-55 +80 °C
during transport	-55 +80 °C
temperature compensation	-40 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	0.22 0.32 A
operating voltage	
rated value	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.32 A

operational current at AC-3e at 400 V rated value	0.32 A
operating power	
• at AC-3	
— at 400 V rated value	0.09 kW
— at 500 V rated value	0.12 kW
— at 690 V rated value	0.12 kW
• at AC-3e	
— at 400 V rated value	0.09 kW
— at 500 V rated value	0.12 kW
— at 690 V rated value	0.12 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
note	for contactor disconnection
number of NO contacts for auxiliary contacts	
note	for message "Tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 110 V	3 A
• at 120 V	3 A
• at 125 V	3 A
• at 230 V	2 A
• at 400 V	1 A
• at 690 V	0.75 A
operational current of auxiliary contacts at DC-13	
• at 24 V	2 A
• at 60 V	0.3 A
● at 110 V	0.22 A
1405.14	0.22 A
• at 125 V	0.22 A
• at 125 V • at 220 V	0.12 A
• at 220 V	0.11 A
• at 220 V contact rating of auxiliary contacts according to UL	0.11 A
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions	0.11 A B600 / R300
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class	0.11 A B600 / R300 CLASS 10
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings	0.11 A B600 / R300 CLASS 10
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	0.11 A B600 / R300 CLASS 10 thermal
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value Short-circuit protection	0.11 A B600 / R300 CLASS 10 thermal
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value         short-circuit protection design of the fuse link	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A
at 220 V      contact rating of auxiliary contacts according to UL  Protective and monitoring functions      trip class      design of the overload release  UL/CSA ratings      full-load current (FLA) for 3-phase AC motor	0.11 A B600 / R300 CLASS 10 thermal
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value Short-circuit protection design of the fuse link         ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor     at 480 V rated value     at 600 V rated value Short-circuit protection design of the fuse link     ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value         btort-circuit protection design of the fuse link         of r short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value Short-circuit protection design of the fuse link         of r short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm
at 220 V  contact rating of auxiliary contacts according to UL  Protective and monitoring functions  trip class design of the overload release UL/CSA ratings  full-load current (FLA) for 3-phase AC motor      at 480 V rated value     at 600 V rated value     at 600 V rated value Short-circuit protection design of the fuse link     o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position fastening method height width	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
<ul> <li>at 220 V</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Protective and monitoring functions</li> <li>trip class</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 600 V rated value</li> <li>at 600 V rated value</li> <li>stort-circuit protection</li> </ul> </li> <li>design of the fuse link         <ul> <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> </ul>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor <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         design of the fuse link         <ul> <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>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
<ul> <li>at 220 V</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Protective and monitoring functions</li> <li>trip class</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 600 V rated value</li> <li>at 600 V rated value</li> <li>stort-circuit protection</li> </ul> </li> <li>design of the fuse link         <ul> <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> </ul>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
the at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor <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 design of the fuse link         <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth Connections/ Terminals         product component removable terminal for auxiliary and</li>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor <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         design of the fuse link             <ul></ul></li>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor     at 480 V rated value     at 600 V rated value     at 600 V rated value Short-circuit protection design of the fuse link     o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor     at 480 V rated value     at 600 V rated value     at 600 V rated value Short-circuit protection design of the fuse link     o 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     of remain current circuit	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value Short-circuit protection design of the fuse link         ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection         of ra auxiliary and control circuit arrangement of electrical connectors for main current	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A fuse gG: 6 A, quick: 10 A contactor mounting 76 mm 45 mm 70 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value         at 600 V rated value Short-circuit protection design of the fuse link         of or 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         of rauxiliary and control circuit arrangement of electrical connectors for main current circuit	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A fuse gG: 6 A, quick: 10 A contactor mounting 76 mm 45 mm 70 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor         at 480 V rated value         at 600 V rated value         at 600 V rated value Short-circuit protection design of the fuse link         o 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         o for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.3 A fuse gG: 6 A, quick: 10 A fuse gG: 6 A, quick: 10 A contactor mounting 76 mm 45 mm 70 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> Short-circuit protection design of the fuse link <ul></ul>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.5 A
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> Short-circuit protection design of the fuse link <ul></ul>	0.11 A B600 / R300 CLASS 10 thermal 0.3 A 0.3 A 0.5

type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for auxiliary contacts with screw-type terminals</li> <li>0.8 1.2 Nm</li> <li>0.8 1.2 Nm</li> <li>design of screwdriver shat</li> <li>0.8 1.2 Nm</li> <li>design of screwdriver tip</li> <li>protection contacts</li> <li>for main contacts with screw-type terminals</li> <li>0.8 1.2 Nm</li> <li>design of screwdriver tip</li> <li>protection contacts</li> <li>M3</li> <li>of the auxiliary contact ontacts</li> <li>M3</li> <li>of the auxiliary and control contacts</li> <li>design of screwdriver in the ront according to IEC 60529</li> <li>fore rowdrich as tables</li> <li>general Product Approval<th>• for auxiliary contacts         2x (0.5 1.5 mm<sup>2</sup>), 2x (0.75 2.5 mm<sup>2</sup>)           • ended or stranded         2x (0.5 1.5 mm<sup>2</sup>), 2x (0.75 2.5 mm<sup>2</sup>)           • for AWG cables for auxiliary contacts         2x (20 16), 2x (18 14)           • for AWG cables for auxiliary contacts         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary and control contacts         M3           • of the auxiliary and control contacts         M3           • of the auxiliary and control contacts         M3           • of the auxiliary and control contacts         So FIT           • for bla tinterval or service life according to IEC         20 a           • of proof test interval or service life according to IEC 60529         Irper-safe, for vertical contact from the front           • for bla vitching status         Side switch         Side switch           rovals Certificates         E</th><th>• for auxiliary contacts         - solid or stranded         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           - finely stranded with core end processing         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           • for AWG cables for auxiliary contacts         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           tightening forque         0.8 12 N:m           • for main contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary and control contacts         M3           • for main contacts         M3           • for the auxiliary and control contacts         M3           afoly related data         50 FIT           failure rate [FIT] with low demand rate         2 280 a           IEC 61508         20 a           T1 value         • for proof test interval or service life according to IEC 60529           inger-safe, for vertical contact from the front according to IEC 60529         Inger-safe, for vertical contact from the front</th><th>• for auxiliary contacts        </th></li></ul>	• for auxiliary contacts         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )           • ended or stranded         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )           • for AWG cables for auxiliary contacts         2x (20 16), 2x (18 14)           • for AWG cables for auxiliary contacts         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N m           • for auxiliary and control contacts         M3           • of the auxiliary and control contacts         M3           • of the auxiliary and control contacts         M3           • of the auxiliary and control contacts         So FIT           • for bla tinterval or service life according to IEC         20 a           • of proof test interval or service life according to IEC 60529         Irper-safe, for vertical contact from the front           • for bla vitching status         Side switch         Side switch           rovals Certificates         E	• for auxiliary contacts         - solid or stranded         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           - finely stranded with core end processing         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           • for AWG cables for auxiliary contacts         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           tightening forque         0.8 12 N:m           • for main contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary contacts with screw-type terminals         0.8 12 N:m           • for auxiliary and control contacts         M3           • for main contacts         M3           • for the auxiliary and control contacts         M3           afoly related data         50 FIT           failure rate [FIT] with low demand rate         2 280 a           IEC 61508         20 a           T1 value         • for proof test interval or service life according to IEC 60529           inger-safe, for vertical contact from the front according to IEC 60529         Inger-safe, for vertical contact from the front	• for auxiliary contacts
		- solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - for AWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - for AWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - for AWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - for AWG cables for auxiliary contacts       0.8 1.2 Nm         - for auxiliary contacts with screw-type terminals       0.8 1.2 Nm         - for auxiliary contacts with screw-type terminals       0.8 1.2 Nm         - for auxiliary and control contacts       M3         - of the auxiliary and control contacts       M3         - of the auxiliary and control contacts       M3         - for of the format cording to SN       50 FIT         31200       2280 a         HEC 61508       U         T1 value       20 a         - for proof test interval or service life according to IEC 60529       In20         four ortacts SIP on the front according to IEC 60529       In20         touch protection on the front according to IEC 60529       Inger-safe, for vertical contact from the front         topy auxiliary contacts       Silde switch         provals Cartificates </th <th></th>	
• for AWG cables for auxiliary contacts       2x (20 16), 2x (18 14)         tightening torque       0.8 1.2 N·m         • for main contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 6 mm         size of the screwdriver tip       Pozidriv PZ 2         design of the thread of the connection screw       M3         • for main contacts       M3         • of the auxiliary and control contacts       M3         Safety related data       Failure rate [FT] with low demand rate according to SN 1920         1920       280 a         T1 value       6 or proof test interval or service life according to IEC 60529         61508       Inger-safe, for vertical contact from the front 1920         touch protection on the front according to IEC 60529       Inger-safe, for vertical contact from the front 1920         touch protection on the front according to IEC 60529       Inger-safe, for vertical contact from the front 1920         display version for switching status       Silde switch         uprovals Cartificates       Gonfirmation         General Product Approval       Confirmation         filse       Confirmation         were in hazardous locations       Miscellaneous         filse       Singer-safe, Singer-safe, Singer-safe, Singer-safe, Singer-safe, Singer-safe,	• for AWG cables for auxiliary contacts       2x (20 16), 2x (18 14)         Intering torque       0.8 12 N·m         • for main contacts with screw-type terminals       0.8 12 N·m         sign of screwdriver shaft       Diameter 5 6 mm         • of main contacts       M3         • of the auxiliary and control contacts       M3         • of proof test interval or service life according to SN       50 FIT         920       61508         cefted ata         value         • or proof test interval or service life according to IEC 60529         1920       interval or service life according to IEC 60529         1920       interval contact from the front according to IEC 60529         1920       interval contact from the front taccording to IEC 60529         1920       interval contact from the front taccording to IEC 60529         1920       interval contact from the front taccording to IEC 60529         1920       interval contact from the front taccording to IEC 60529         1920       interval contact from the front taccording to IEC 60529         1920       interval co	• for AWG cables for auxiliary contacts         2x (20 16), 2x (18 14)           tightening torque         0.8 1.2 N·m           • for nain contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           • for main contacts         M3           • of the auxiliary and control contacts         M3           • of the auxiliary and control contacts         M3           afoty related data         50 FIT           failure rate [FIT] with high demand rate         2 280 a           IEC 61508         11 value           • for proof test interval or service life according to IEC 60529         IP20           touch protection on the front according to IEC 60529         IP20	• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14)   tightening torque 0.8 1.2 N·m   • for main contacts with screw-type terminals 0.8 1.2 N·m   • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m   design of screwdriver shaft Diameter 5 6 mm   size of the screwdriver tip Pozidriv PZ 2   design of the thread of the connection screw • for main contacts   • for main contacts M3   • of the auxiliary and control contacts M3   • of the auxiliary and control contacts M3   • of the thread of the operation of the thread of the connection screw • for main contacts   • for main contacts M3   • of the auxiliary and control contacts M3   • of the auxiliary and control contacts So FIT   sifety rolated data 50 FIT   failure rate [FIT] with high demand rate 2 280 a   • for proof test interval or service life according to IEC 20 a   • for proof test interval or service life according to IEC 60529 IP20   touch protection on the front according to IEC 60529 IP20   touch protection on the front according to IEC 60529 IP20   touch protection service life according to IEC 60529 Ipac-sefe, for vertical contact from the front   bisplay Silde switch   herewise Certificates Silde switch   General Product Approval Confirmation
tightening torque i for main contacts with screw-type terminals i 0.8 1.2 N m i for auxiliary contacts with screw-type terminals 0.8 1.2 N m i for auxiliary contacts with screw-type terminals 0.8 1.2 N m i for auxiliary contacts with screw-type terminals 0.8 1.2 N m i for auxiliary contacts with screw-type terminals 0.8 1.2 N m i for auxiliary contacts with screw-type terminals isze of the screwdriver tip Pozidriv PZ 2  design of facework of the connection screw i for main contacts i for for main contacts i for main contacts i for main contacts i for for main contacts i for for main contacts i for for motel for the front according to IEC 60529 i for errice life according to IEC 60529 i for e	httening torque       0.8 1.2 N m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N m         sign of screwdriver shaft       Diameter 5 6 mm         ter of the screwdriver shaft       Diameter 5 6 mm         sign of the thread of the connection screw       •         • for main contacts       M3         • of the auxiliary and control contacts       M3         • of the auxiliary and control contacts       M3         • the auxiliary and control contacts       Sto FIT         value       280 a       Confirmation         • for proof test interval or service life according to IEC 60529       IP20         fifted       gner-safe, for vertical contact from the front front front front according to IEC 60529       IP20         starter subchards status       Silde switch       USEC         royals Cortificatos       Confirmation       USEC         starter subchards status       Confirmation       USEC         starter subchards status       Confirmation       USEC         st	tightening torque  i for main contacts with screw-type terminals i for auxiliary contacts with screw-type terminals i for auxiliary contacts with screw-type terminals iste of the screwdriver shaft Diameter 5 6 mm Diameter	tightening torque       . 6 or main contacts with screw-type terminals       0.8 1.2 N·m         . 6 or auxiliary contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 6 mm         size of the screwdriver tip       Pozidirv PZ 2         design of the thread of the connection screw       M3         . 6 or main contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 6 of the auxiliary and control contacts       M3         . 7 Descine Terminals       2 280 a         IEC 61508       IEC 61508         T1 value
<ul> <li>for main contacts with screw-type terminals</li> <li>0.812 Nm</li> <li>design of screwdriver shaft</li> <li>biameter 5 6 mm</li> <li>size of the screwdriver tip</li> <li>Pozidriv PZ 2</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> <li>of the auxiliary and control contacts</li> <li>M3</li> <li>of the auxiliary and control contacts</li> <li>So FIT</li> <li>So FIT</li></ul>	• for main contacts with screw-type terminals       0.8 1.2 N·m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N·m         sign of screwdriver shaft       Diameter 5 6 mm         e of the screwdriver type       Pozidriv PZ 2         sign of the thread of the connection screw       M3         • of main contacts       M3         • of main contacts       M3         • of main contacts       M3         • of the survillary and control contacts       Store Survice	• for main contacts with screw-type terminals       0.8 1.2 N·m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 6 mm         size of the screwdriver tip       Potentiar S 6 mm         design of the thread of the connection screw       M3         • for main contacts       M3         • of the auxiliary and control contacts       M3         afety related data       S0 FIT         failure rate [FIT] with low demand rate according to SN 31920       S0 FIT         MTTF with high demand rate       2 280 a         IEC 61508       20 a         F1 value	• for main contacts with screw-type terminals       0.8 1.2 N·m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 6 mm         size of the screwdriver tip       Potential Screwdriver shaft         of main contacts       M3         • for main contacts       M3         • of main contacts       M3         • of the auxiliary and control contacts       M3         • of the auxiliary and control contacts       S0 FIT         failure rate [FIT] with low demand rate according to SN 31920       S0 FIT         MTTF with high demand rate       2 280 a         IEC 61508       20 a         F1 value
• for auxiliary contacts with screw-type terminals         0.8 1.2 N·m           design of screwdriver shaft         Diameter 5 6 mm           size of the screwdriver tip         Pozidriv PZ 2           design of the thread of the connection screw         M3           • for main contacts         M3           • of the auxiliary and control contacts         50 FIT           • for proof test interval or service life according to IEC 60529         IP20           • touch protection on the front according to IEC 60529         IP20           • touch protection for switching status         Silde switch           • upprovals         Confirmation           • General Product Approval         Confirmat	• for auxiliary contacts with screw-type terminals 0.8 1.2 N·m   sign of screwdriver shaft Diameter 5 6 mm   paid the screwdriver tip Pozidriv P2 2   sign of the thread of the connection screw M3   • for an contacts M3   • of the auxiliary and control contacts M3   • of the auxiliary and control contacts M3   • ty related data 50 FIT   Utror rate [FIT] with how demand rate according to SN 50 FIT   20 20 a   C 6 1508 22 80 a   Value 2 280 a   • for proof test interval or service life according to IEC 60529 1P20   uch protection on the front according to IEC 60529 1P20   uch protection on the front according to IEC 60529 1P20   uch protection on the front according to IEC 60529 1P20   uppay version for switching status Silde switch   rovals Cordificates Silde switch   provals Cordificates Confirmation   encreal Product Approval Confirmation   Cordificates Confirmation   encreal rouge in hazardous locations Test Certificates   Por use in hazardous locations Miscellaneous   Special Test Certificates Special Test Certific: ates/Test Report		
design of screwdriver shaft     Diameter 5 6 mm       size of the screwdriver tip     Pozidriv PZ 2       design of the thread of the connection screw     M3       • for main contacts     M3       • of means contacts     M3       • of main contacts     M3       • of main contacts     M3       • of the auxiliary and control contacts     M3       Safety rolated data     50 FIT       failure rate [FIT] with low demand rate     2 280 a       IEC 61508     20 a       T1 value     6 for proof test interval or service life according to IEC 60529       • for proof test interval or service life according to IEC 60529     IP20       touch protection on the front according to IEC 60529     Ip20       touch protection on the front according to IEC 60529     Ip20       display version for switching status     Silde switch       vpprovals Certificates     Confirmation       General Product Approval     Confirmation       For use in hazardous locations     Test Certificates       Miscellaneous     Special Test Certific       atter     Type Test Certific	sign of screwdriver shaft Diameter 5 6 mm  ter of the screwdriver tip  sign of the thread of the connection screw  of the auxiliary and control contacts  of the auxiliary and control contacts  of the auxiliary and control contacts  sty related data  Urre rate [FIT] with low demand rate according to SN  30  FTF with high demand rate  2 280 a  C 61508  Value  of the front according to IEC  6 1508  Value  of the front according to IEC  6 0529  IP20  Inger-safe, for vertical contact from the front  screwdriver  splay version for switching status  rovals Cortificates  eneral Product Approval  C confirmation  C confirmation  C for the front according  C confirmation  C for the front according  C confirmation  C for the front according  C for the front  C for the front according  C for the front	design of screwdriver shaft Diameter 5 6 mm size of the screwdriver tip Pozidriv PZ 2 design of the thread of the connection screw • for main contacts M3 • of the auxiliary and control contacts M3 afety related data failure rate [FIT] with low demand rate according to SN 31920 MTTF with high demand rate 2 280 a IEC 61508 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 display version for switching status Slide switch pprovals Certificates General Product Approval Confirmation Confirmation	design of screwdriver shaft Diameter 5 6 mm size of the screwdriver tip Pozidriv PZ 2 design of the thread of the connection screw • for main contacts M3 • of the auxiliary and control contacts M3 • of the auxiliary and control contacts S0 FIT siafety rolated data failure rate [FIT] with low demand rate according to SN 31920 MTTF with high demand rate 2 280 a IEC 61508 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 Ip20 display version for switching status S1ide switch upprovals Cortificates General Product Approval Confirmation Confirmation
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design of the thread of the connection screw     M3       • for main contacts     M3       • of the auxiliary and control contacts     M3       • of the auxiliary and control contacts     M3       • of the auxiliary and control contacts     M3       • failure rate [FIT] with low demand rate according to SN     50 FIT       • for proof test interval or service life according to IEC     20 a       • for proof test interval or service life according to IEC 60529     20 a       • for proof test interval or service life according to IEC 60529     IP20       • for proof test interval or service life according to IEC 60529     Inger-safe, for vertical contact from the front       • for proof test interval or service life according to IEC 60529     Inger-safe, for vertical contact from the front       • for proof test interval or service life according to IEC 60529     Inger-safe, for vertical contact from the front       • for proof test interval or service life according to IEC 60529     Inger-safe, for vertical contact from the front       • for use in hazardous locations     Confirmation       Confirmation       Confirmation       USEC       For use in hazardous locations       Test Certificates       Miscellaneous       Special Test Certific- ates/Test Report	sign of the thread of the connection screw  i for main contacts  i for mon cervice life according to IEC  i for mon the front according to IEC 60529  i for for switching status  i for for switching	design of the thread of the connection screw     M3       • for main contacts     M3       • of the auxiliary and control contacts     M3       afety related data     50 FIT       failure rate [FIT] with low demand rate according to SN 31920     50 FIT       31920     20 a       HTTF with high demand rate     2 280 a       IEC 61508     20 a       T1 value     • for proof test interval or service life according to IEC 60529       • for proof test interval or service life according to IEC 60529     IP20       fourther of the front according to IEC 60529     IP20       fourther of the front according to IEC 60529     Inger-safe, for vertical contact from the front       isplay     Slide switch   Provals Certificates  General Product Approval  Confirmation  Confirmat	design of the thread of the connection screw     M3       • for main contacts     M3       • of the auxiliary and control contacts     M3       iafety related data     50 FIT       failure rate [FIT] with low demand rate according to SN 31920     50 FIT       MTTF with high demand rate     2 280 a       EC 61508     20 a       T1 value     0       • for proof test interval or service life according to IEC 60529     20 a       efforg     IP20       touch protection on the front according to IEC 60529     IP20       touch protection on the front according to IEC 60529     Ip20       display version for switching status     Silde switch
	<ul> <li>for main contacts</li> <li>M3</li> <li>of the auxiliary and control contacts</li> <li>M3</li> <li>ty related data</li> <li>ty related data</li> <li>50 FIT</li> <li>2280 a</li> <li>C 61508</li> <li>Value</li> <li>of or proof test interval or service life according to IEC 60529</li> <li>of the front according to IEC 60529</li> <li>of the front according to IEC 60529</li> <li>of the front according to IEC 60529</li> <li>otage witch</li> <li>rovals Certificates</li> </ul>	• for main contacts       M3         • of the auxiliary and control contacts       M3         afety related data       50 FIT         failure rate [FIT] with low demand rate according to SN 31920       50 FIT         MTTF with high demand rate       2 280 a         IEC 61508       20 a         T1 value       • for proof test interval or service life according to IEC 61508         Electrical Safety       20 a         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection for switching status       Silde switch         pprovals Certificates       Silde switch         pprovals Certificates       Silde switch         pprovals Certificates       Silde switch	• for main contacts       M3         • of the auxiliary and control contacts       50 FIT         • failure rate [FIT] with low demand rate according to SN 31920       50 FIT         • MTT with high demand rate       2 280 a         IEC 61508       20 a         • for proof test interval or service life according to IEC 60529       20 a         • for proof test interval or service life according to IEC 60529       IP20         • for proof class IP on the front according to IEC 60529       IP20         • for proof for switching status       Silde switch         • bisplay       Silde switch         • opprovals Certificates       Silde switch         • opprovals Certificates       Silde switch         • opprovals Certificates       Silde switch         • opprovals       Confirmation         Centification       Improve Supproval
<ul> <li>of the auxiliary and control contacts</li> <li>M3</li> <li>Falety related data</li> <li>Falety related data</li> <li>Falety related data</li> <li>Falety related data</li> <li>So FIT</li> <li>So FIT</li></ul>	<ul> <li>of the auxiliary and control contacts</li> <li>M3</li> <li>sty related data</li> <li>Sty related contact from the front sty related data</li> <li>Sty related contact from the front</li> <li>Sty related data</li> <li>Sty related data</li></ul>	<ul> <li>of the auxiliary and control contacts</li> <li>M3</li> <li>afety related data</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>MTTF with high demand rate</li> <li>2 280 a</li> <li>IEC 61508</li> <li>T1 value         <ul> <li>for proof test interval or service life according to IEC 61508</li> <li>Electrical Safety</li> <li>protection class IP on the front according to IEC 60529</li> <li>finger-safe, for vertical contact from the front</li> <li>isplay</li> </ul> </li> <li>display version for switching status</li> <li>Slide switch</li> <li>provals Certificates</li> </ul>	
Safety related data       50 FIT         failure rate [FIT] with low demand rate according to SN 31920       50 FIT         MTTF with high demand rate       2 280 a         IEC 61508       20 a         T1 value       • for proof test interval or service life according to IEC 60529         IEC 61508       IP20         Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         display version for switching status       Slide switch         Approvals Certificates       General Product Approval         General Product Approval       Confirmation         Image: Special Test Certificates       Marine / S         For use in hazardous locations       Test Certificates       Marine / S         Image: Special Test Certificates       Special Test Certificates       Marine / S	hy related data       50 FIT         lure rate [FIT] with low demand rate according to SN 220 a       50 FIT         S20 a       280 a         C 61508       2 280 a         value       0 for proof test interval or service life according to IEC 61529       20 a         e for proof test interval or service life according to IEC 60529       IP20         etrical Safety       inger-safe, for vertical contact from the front secording to IEC 60529         otextion class IP on the front according to IEC 60529       IP20         uch protection on the front according to IEC 60529       IP20         upply version for switching status       Slide switch         rovals Certificates       Eneral Product Approval         Eff.Konf.       Confirmation         for use in hazardous locations       Test Certificates         or use in hazardous locations       Special Test Certific: ates/Test Report         Miscellaneous       Special Test Certific- ates/Test Report	afety related data         failure rate [FIT] with low demand rate according to SN 31920       50 FIT         MTTF with high demand rate       2 280 a         IEC 61508       2 280 a         T1 value       6 for proof test interval or service life according to IEC 61508         File       20 a         Protection class IP on the front according to IEC 60529       IP20         fouch protection on the front according to IEC 60529       Ip20         touch protection on the front according to IEC 60529       Ip20         display version for switching status       Slide switch         pprovals Certificates       Slide switch         General Product Approval       Confirmation         C €	Safety related data         failure rate [FIT] with low demand rate according to SN 31920       50 FIT         MTTF with high demand rate       2 280 a         IEC 61508       20 a         T1 value • for proof test interval or service life according to IEC 61508       20 a         Electrical Safety protection class IP on the front according to IEC 60529       IP20 finger-safe, for vertical contact from the front         touch protection on the front according to IEC 60529       IP20 finger-safe, for vertical contact from the front         Verprovals Certificates       Slide switch         Confirmation
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http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2116-0DB0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0DB0

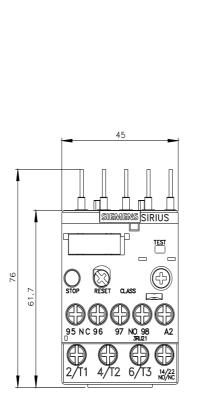
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU2116-0DB0&lang=en

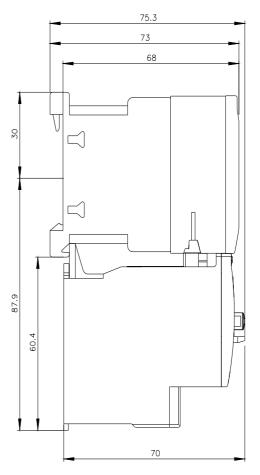
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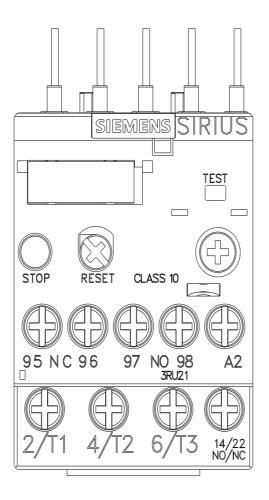
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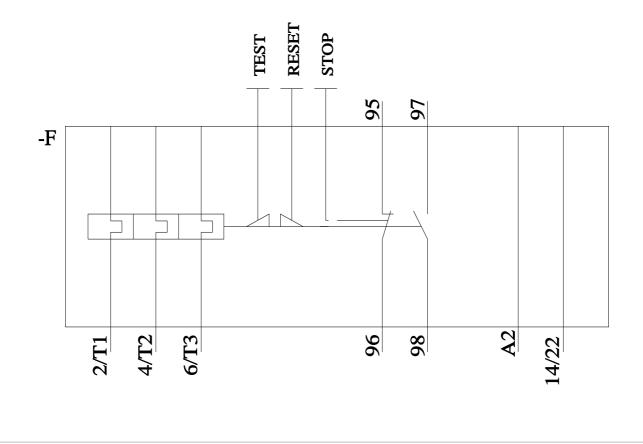
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0DB0&objecttype=14&gridview=view1









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