



Reference: 3RT2023-1AL20

CONTACTOR, AC-3, 4KW/400V, 1NO +1NC, AC 230V 50/60HZ, 3-POLE, SZ S0 **SCREW TERMINAL** 

**Buy it at Electric Automation Network** 



product brand name	SIRIUS
Product designation	3RT2 contactor
General technical data:	
Size of contactor	S0
Product extension	
function module for communication	No
Auxiliary switch	Yes
Insulation voltage	
rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
between coil and main contacts acc. to EN 60947-1	400 V
Protection class IP	
on the front	IP20
of the terminal	IP20
Shock resistance	
at rectangular impulse	
— at AC	7,5g / 5 ms, 4,7g / 10 ms
with sine pulse	
— at AC	11,8g / 5 ms, 7,4g / 10 ms

Mechanical service life (switching cycles)	
of contactor typical	10 000 000
of the contactor with atd>	5 000 000
of the contactor with atd>	10 000 000
Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Main circuit:	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating voltage	
at AC-3 rated value maximum	690 V
Operating current	
at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	40 A
at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
at AC-2 at 400 V rated value	9 A
at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	9 A
— at 690 V rated value	9 A
Connectable conductor cross-section in main circuit at AC-1	
at 60 °C minimum permissible	10 mm²
at 40 °C minimum permissible	10 mm²
Operating current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
Operating current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A

— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
Operating current	
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
with 2 current paths in series at DC-3 at DC-5	
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 24 V rated value	35 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 24 V rated value	35 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
Operating power	
at AC-1	
— at 230 V rated value	13.3 kW
— at 230 V at 60 °C rated value	13.3 kW
— at 400 V rated value	23 kW

— at 400 V at 60 °C rated value	23 kW
— at 690 V rated value	40 kW
— at 690 V at 60 °C rated value	40 kW
at AC-2 at 400 V rated value	4 kW
at AC-3	
— at 230 V rated value	2.2 kW
— at 400 V rated value	4 kW
— at 690 V rated value	7.5 kW
Operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2 kW
at 690 V rated value	2.5 kW
Thermal short-time current limited to 10 s	80 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	0.4 W
No-load switching frequency	
at AC	5 000 1/h
Operating frequency	
at AC-1 maximum	1 000 1/h
at AC-2 maximum	1 000 1/h
at AC-3 maximum	1 000 1/h
at AC-4 maximum	300 1/h
Control circuit/ Control:	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
at 50 Hz rated value	230 V
at 60 Hz rated value	230 V
Operating range factor control supply voltage rated value of magnet coil at AC	
at 50 Hz	0.8 1.1
at 60 Hz	0.85 1.1
Apparent pick-up power of magnet coil at AC	
at 50 Hz	68 V·A
at 60 Hz	67 V·A
Inductive power factor with closing power of the coil	
at 50 Hz	0.72
at 60 Hz	0.74
Apparent holding power of magnet coil at AC	
at 50 Hz	7.9 V·A

50 Hz 0.2 sing delay 9 .	).25 ).28
50 Hz 0.2 sing delay 9 .	
ac 9 .	0.28
AC 9.	
.5 1.1.	9 38 ms
ening delay	
AC 4.	4 16 ms
ing time 10	10 10 ms
idual current of the electronics for control with signal >	
AC at 230 V maximum permissible 6 r	5 mA
OC at 24 V maximum permissible 16	L6 mA
riliary circuit:	
mber of NC contacts	
auxiliary contacts	
nstantaneous contact 1	L
mber of NO contacts	
auxiliary contacts	
nstantaneous contact 1	L
erating current at AC-12 maximum 10	LO A
erating current at AC-15	
230 V rated value	LO A
100 V rated value 3 A	3 A
500 V rated value 2 A	2 A
590 V rated value	l A
erating current at DC-12	
24 V rated value	LO A
8 V rated value 6 A	5 A
60 V rated value 6 A	5 A
.10 V rated value	3 A
.25 V rated value	2 A
220 V rated value	l A
0.1 000 V rated value	).15 A
erating current at DC-13	
24 V rated value	L0 A
18 V rated value 2 A	2 A
60 V rated value 2 A	2 A

at 120 V rated value 1.4 at 125 V rated value 0.9 A at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings: Full-load current (FLA) for three-phase AC motor at 480 V rated value 7.6 A at 600 V rated value 9 A Yielded mechanical performance (tp) 7.6 A at 600 V rated value 1 hp 7.6 A at 230 V rated value 1 hp 7.6 A at 230 V rated value 1 hp 7.6 A at 230 V rated value 1 hp 7.6 A at 230 V rated value 1 hp 7.6 A at 230 V rated value 2 hp 7.6 A at 2400/280 V rated value 1 hp 7.5 h		
at 220 V rated value 0.3 A  at 600 V rated value 0.1 A  Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor at 480 V rated value 7.6 A  at 600 V rated value 9 A  Yielded mechanical performance [hp] 7.6 Full-load current (FLA) for three-phase AC motor 9 A  Yielded mechanical performance [hp] 7.6 Full-load for single-phase AC motor 9 A  The control of	at 110 V rated value	1 A
at 600 V rated value 0.1 A  Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor at 480 V rated value 7.6 A  at 600 V rated value 9 A  Yielded mechanical performance [hp]	at 125 V rated value	0.9 A
Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor at 480 V rated value 7.6 A at 600 V rated value 9 A  Vielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp for three-phase AC motor — at 200/208 V rated value 2 hp — at 230 V rated value 3 hp — at 200/208 V rated value 3 hp — at 460/480 V rated value 5 hp — at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link for short-circuit protection of the main circuit — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 63 A — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 25 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position 4/180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Side-by-side mounting 49  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  with side-by-side mounting  - forwards 0 mm	at 220 V rated value	0.3 A
ULCSA ratings:  Full-load current (FLA) for three-phase AC motor at 480 V rated value 7.6 A at 600 V rated value 9 A  Vielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 260/400 V rated value 7.5 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit — with type of assignment 2 required gL/GG LV HRC 3NA, DIAZED 558, NEOZED 55E: 25 A for short-circuit protection of the auxiliary switch required  Mounting position  Mounting type  Side-by-side mounting Ves  Required spacing with side-by-side mounting Wits side-by-side mounting Wits side-by-side mounting Wits side-by-side mounting Wits side-by-side mounting Ves  PA  O mm	at 600 V rated value	0.1 A
Full-load current (FLA) for three-phase AC motor at 480 V rated value at 600 V rated value 7.6 A  at 600 V rated value 9 A  Vielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 1 hp  — at 230 V rated value 2 hp  — at 220/230 V rated value 3 hp  — at 220/230 V rated value 3 hp  — at 460/480 V rated value 5 hp  Contact rating of auxiliary contacts according to UL  A600 / O600  Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit  — with type of coordination 1 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions:  Mounting position  Mounting type  Side-by-side mounting Yes  Height 97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  I hp  I	Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value 7.6 A  at 600 V rated value 9 A  Yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 1 hp  — at 230 V rated value 1 hp  for three-phase AC motor  — at 200/208 V rated value 2 hp  — at 220/230 V rated value 3 hp  — at 460/480 V rated value 5 hp  — at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A gu/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position 4/180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting surface: can be used and backward by +/- 22.5° on vertical mounting surface: can be used for short-direction of the short and shape-on mounting onto 35 mm standard mounting type  Mounting type 55 mm  Witd- 45 mm  Depth 97 mm  Required spacing with side-by-side mounting  with side-by-side mounting  mith side side side side side side side s	UL/CSA ratings:	
At 600 V rated value 9 A  Yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 1 hp — at 230 V rated value 1 hp  for three-phase AC motor  — at 200/208 V rated value 2 hp — at 200/208 V rated value 3 hp — at 200/208 V rated value 5 hp — at 460/480 V rated value 5 hp — at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit 9 JL/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 63 A gl./gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 63 A gl./gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 25 A for short-circuit protection of the auxiliary switch required fuse gl./gG: 10 A  Installation/ mounting/ dimensions:  Mounting position 4 +/-180* rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface; can be tilted forward and backw	Full-load current (FLA) for three-phase AC motor	
Vielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value — 1 hp  for three-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 260/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — 5 hp  — out 575/600 V rated value — 7.5 hp  Contact rating of auxiliary contacts according to UL  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit — with type of coordination 1 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A — with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required  fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position  4/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface vertical mounting surface vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; vert	at 480 V rated value	7.6 A
for single-phase AC motor	at 600 V rated value	9 A
at 110/120 V rated value	Yielded mechanical performance [hp]	
for three-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — According to UL  The short-circuit protection  Design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 558, NEOZED 55E: 63 A — with type of assignment 2 required for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting type  Side-by-side mounting Yes  Height #55 mm  Witd>  #58 mm  Witd>  #69 mm  Popth  Popth Popth Popth Powards  O mm  O mm	for single-phase AC motor	
for three-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  — with type of assignment 2 required  gL/gG: 10 A  Installation/ mounting/ dimensions:  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height  #5 mm  Witd>  45 mm  Depth  Required spacing  with side-by-side mounting  Unmanding type on mounting  O mm	— at 110/120 V rated value	1 hp
- at 200/208 V rated value 2 hp  - at 220/230 V rated value 3 hp  - at 460/480 V rated value 5 hp  - at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit 9L/36 LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A 9L/36 LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required 9L/36 LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required Installation/mounting/dimensions:  Mounting position 4-/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting 45 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  under the forwards of mounting onto 35 mm standard mounting rail according to DIN EN 50022	— at 230 V rated value	1 hp
— at 220/230 V rated value 3 hp  — at 460/480 V rated value 5 hp  — at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required function from the auxiliary switch required sulfaction for the auxiliary switch required function for the auxiliary switch required some still forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Mounting type screw and snap-on mounting onto 35 mm standard mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	for three-phase AC motor	
- at 460/480 V rated value 5 hp - at 575/600 V rated value 7.5 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  Design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A - with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position	— at 200/208 V rated value	2 hp
- at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit  - with type of coordination 1 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  - with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height  #5 mm  Depth  P7 mm  Required spacing  with side-by-side mounting  0 mm	— at 220/230 V rated value	3 hp
Contact rating of auxiliary contacts according to UL  Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	— at 460/480 V rated value	5 hp
Short-circuit protection  Design of the fuse link  for short-circuit protection of the main circuit  - with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  - with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  - forwards 0 mm	— at 575/600 V rated value	7.5 hp
Design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position the auxiliary switch required fuse gL/gG: 10 A  H/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	Contact rating of auxiliary contacts according to UL	A600 / Q600
for short-circuit protection of the main circuit  - with type of coordination 1 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A  - with type of assignment 2 required  gL/gG: LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A  for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height  85 mm  Witd>  45 mm  Depth  Popth  Po	Short-circuit protection	
<ul> <li>with type of coordination 1 required</li> <li>gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A</li> <li>with type of assignment 2 required</li> <li>gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions:</li> <li>Mounting position</li> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022</li> <li>Side-by-side mounting</li> <li>Yes</li> <li>Height</li> <li>85 mm</li> <li>Witd&gt;</li> <li>45 mm</li> <li>Depth</li> <li>97 mm</li> <li>Required spacing</li> <li>with side-by-side mounting</li> <li>o mm</li> </ul>	Design of the fuse link	
— with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position	for short-circuit protection of the main circuit	
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height  85 mm  Witd> 45 mm  Depth  97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  - forwards  0 mm	— with type of coordination 1 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A
Installation/ mounting/ dimensions:  Mounting position	— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
#/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Yes  Height  85 mm  Witd> 45 mm  Depth  Popth  Popth  Required spacing  with side-by-side mounting  o mm		fuse gL/gG: 10 A
Mounting position  can be tilted forward and backward by +/- 22.5° on vertical mounting surface  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  Height  85 mm  Witd> 45 mm  Depth  97 mm  Required spacing  with side-by-side mounting  — forwards  0 mm	Installation/ mounting/ dimensions:	
Side-by-side mounting  Yes  Height  85 mm  Witd>  45 mm  Depth  Pequired spacing  with side-by-side mounting  — forwards  mounting rail according to DIN EN 50022  Yes  85 mm  97 mm  97 mm  0 mm	Mounting position	can be tilted forward and backward by +/- 22.5° on
Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	Mounting type	
Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	Side-by-side mounting	Yes
Depth 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	Height	85 mm
Required spacing  with side-by-side mounting  — forwards  0 mm	Witd>	45 mm
with side-by-side mounting  — forwards  0 mm	Depth	97 mm
— forwards 0 mm	Required spacing	
	with side-by-side mounting	
— Backwards 0 mm	— forwards	0 mm
	— Backwards	0 mm

— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm
Connections/Terminals:	
Type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections	sciew-type terrimas
for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— single or multi-stranded	2x (1 2,5 mm²), 2x (2,5 10 mm²)
— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
at AWG conductors for main contacts	2x (16 12), 2x (14 8)
Type of connectable conductor cross-sections	27 (10 12), 27 (14 0)
for auxiliary contacts	
— single or multi-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)
at AWG conductors for auxiliary contacts	2x (20 16), 2x (18 14)
Safety related data:	ZA (ZO 10), ZA (10 17)
B10 value	
with high demand rate acc. to SN 31920	1 000 000
Proportion of dangerous failures	1 000 000
with low demand rate acc. to SN 31920	40 %
with high demand rate acc. to SN 31920	73 %
Failure rate [FIT]	13 /0
with low demand rate acc. to SN 31920	100 FIT
with low defination rate acc. to SN 31920	T00 L11

Product function	
Mirror contact acc. to IEC 60947-4-1	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 y