



Reference: 3RT2026-1AC20

CONTACTOR, AC-3, 11KW/400V, 1NO +1NC, AC 24V 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	50
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	8,3g / 5 ms, 5,3g / 10 ms
with sine pulse	
— at AC	13,5g / 5 ms, 8,3g / 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
	10 000 000
Ambient conditions:	2.000
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	25 A
at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 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	9 A
at 690 V rated value	9 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	11 kW
at AC-3	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 690 V rated value	11 kW
Operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
Thermal short-time current limited to 10 s	200 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	1.6 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	750 1/h
at AC-3 maximum	750 1/h
at AC-4 maximum	250 1/h
Control circuit/ Control:	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 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	81 V·A
at 60 Hz	79 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	

25 28 40 ms 16 ms 10 ms
40 ms
40 ms
16 ms
16 ms
10 ms
mA
mA
A
A
A
A
4
A
A
A
A
A
A
L5 A
A
A
A

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)  UL/CSA ratings: Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A  Velded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp for three-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 230/330 V rated value 9 hp — at 35/5600 V rated value 9 hp — at 45/480 V rated value 9 hp — at 45/480 V rated value 9 hp — at 45/480 V rated value 9 hp — at 57/5600 V rated value 9 hp — at 45/5600 V rated value 9 hp — at 57/5600 V rated value 9 hp — at 57/5600 V rated value 9 hp — at 57/5600 V rated value 9 hp — at 45/5600 V rated value 9 hp — at 57/5600 V rated value 9 hp — at 5		
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 21 A at 600 V rated value 22 A  Yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 3 hp at 230 V rated value 3 hp for three-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 220/230 V rated value 9 hp — at 220/230 V rated value 9 hp — at 2575/600 V rated value 15 hp — at 575/600 V rated value 20 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 9L/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch required gu/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch required 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch 1 fuse gL/gG IV ARC 3NA, DIAZED SSB, NEOZ	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 21 A  at 600 V rated value 22 A  Yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp  at 200 V rated value 3 hp  at 200/208 V rated value 5 hp  — at 220/208 V rated value 7.5 hp  — at 220/208 V rated value 7.5 hp  — at 460/480 V rated value 15 hp  — at 575/600 V rated value 20 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 558, NEOZED 55E: 100 A — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 55B, NEOZED 55E: 35 A for short-circuit protection of the auxiliary switch required squired forward and backward by +/- 22.5° on vertical mounting surface; can be tilted florward and backward by +/- 22.5° on vertical mounting surface; can be tilted florward and backward by +/- 22.5° on vertical mounting type side mounting 45 mm  Witch 45 mm  Depth 97 mm  Required spacing with side-by-side mounting	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 21 A  at 600 V rated value 22 A  Yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp for three-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 200/208 V rated value 7.5 hp — at 460/480 V rated value 15 hp — at 575/600 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 20 hp — at	at 220 V rated value	0.3 A
UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A  Vielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 b p — at 230 V rated value 3 hp for three-phase AC motor — at 200/208 V rated value 5 hp — at 200/208 V rated value 7.5 hp — at 40/480 V rated value 15 hp — at 4575/600 V rated value 20 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 9L/GG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A for short-circuit protection of the auxiliary switch required  Mounting position  Mounting position  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  Mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting type  ##-180° rotat	at 600 V rated value	0.1 A
Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp for three-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 20 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 9 L/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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 scan 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 Witd> 45 mm  Depth 89 7 mm  Required spacing with side-by-side mounting with side-by-side mounting Forwards O mm	Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value 21 A  at 600 V rated value 22 A  Yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp  for three-phase AC motor  — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp — at 460/480 V rated value 20 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: 35 A for short-circuit protection of the auxiliary switch required for segl/g6: 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 backward by +/- 22.5° on vertical mounting surface; can be tilted forward	UL/CSA ratings:	
At 600 V rated value  22 A  Yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — 20 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 — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED SSB, NEOZED SSE: 35 A  for short-circuit protection of the auxiliary switch required  with side-by-side mounting  Height  B5 mm  Witta>  Height  B5 mm  Required spacing  with side-by-side mounting  provards  D mm	Full-load current (FLA) for three-phase AC motor	
Yelded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp  for three-phase AC motor  — at 200/208 V rated value 5 hp — at 220/230 V rated value 15 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 20 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 ype of coordination 1 required gl/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A with type of assignment 2 required gl/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A for short-circuit protection of the auxiliary switch required for ward 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 45 mm  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 45 mm  Peth 97 mm  Required spacing with side-by-side mounting mounting with side-by-side mounting mounting mounting with side-by-side mounting mo	at 480 V rated value	21 A
for single-phase AC motor  — at 110/120 V rated value 2 hp  — at 230 V rated value 3 hp  for three-phase AC motor  — at 200/208 V rated value 5 hp  — at 200/208 V rated value 7.5 hp  — at 460/480 V rated value 15 hp  — at 575/600 V rated value 20 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: 100 A with type of assignment 2 required gL/gG: 10 A for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required sundanting 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 can be circuit and because the sundanting surface can be circuit and sapa-on mounting onto 35 mm standard mounting type  Side-by-side mounting  Yes  Side-by-side mounting	at 600 V rated value	22 A
at 110/120 V rated value 2 hp  at 230 V rated value 3 hp  for three-phase AC motor  — at 200/208 V rated value 5 hp  — at 220/230 V rated value 7.5 hp  — at 460/480 V rated value 15 hp  — at 575/600 V rated value 20 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: 100 A with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A for short-circuit protection of the auxiliary switch required frequired function in the suiliary switch required function in the suiliary switch required function in the suiliary switch fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position the function of the auxiliary switch required southing 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 rail according to DIN EN 50022  Side-by-side mounting Yes  Side-by-side mounting  Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  - forwards 0 mm	Yielded mechanical performance [hp]	
at 230 V rated value  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  — 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  — with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A  — with type of sasignment 2 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 can be tilted forward and backward by surface mounting type  Side-by-side mounting  Yes  Height  #85 mm  Witd>  #85 mm  Witd>  #85 mm  Witd>  #97 mm  Required spacing  with side-by-side mounting  #60 mm  #86 mm  #8	for single-phase AC motor	
refor three-phase AC motor  - at 200/208 V rated value 5 hp  - at 220/330 V rated value 7.5 hp  - at 460/480 V rated value 15 hp  - at 460/480 V rated value 20 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 gL/gG LV HRC 3NA, DIAZED 558, NEOZED 55E: 100 A with type of coordination 1 required 9 gL/gG LV HRC 3NA, DIAZED 55B, NEOZED 55E: 35 A for short-circuit protection of the auxiliary switch required 1 fuse 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 type 3 mm  Witd- 45 mm  Depth 97 mm  Required spacing with side-by-side mounting  O mm	— at 110/120 V rated value	2 hp
- at 200/208 V rated value 5 hp  - at 220/230 V rated value 7.5 hp  - at 460/480 V rated value 15 hp  - at 575/600 V rated value 20 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: 100 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required sulface; 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 screw and snap-on mounting onto 35 mm standard mounting type  Side-by-side mounting 85 mm  Witd> 45 mm  Depth 87 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  or mind surface 97 mm	— at 230 V rated value	3 hp
- at 220/230 V rated value 7.5 hp  - at 460/480 V rated value 15 hp  - at 575/600 V rated value 20 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: 100 A  - with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position	for three-phase AC motor	
- at 460/480 V rated value	— at 200/208 V rated value	5 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  - with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A  - with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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 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  #/- 180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and backward by +/- 22.5° on vertical mounting surface and be tilted forward and	— at 220/230 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  — with type of assignment 2 required  for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting position  Mounting type  Screw and snap-on mounting note 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting  Witd>  45 mm  Pepth  Required spacing  with side-by-side mounting  with side-by-side mounting  with side-by-side mounting  mount	— at 460/480 V rated value	15 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: 100 A  — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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 97 mm  Required spacing  with side-by-side mounting  — forwards 0 mm	— at 575/600 V rated value	20 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: 100 A  - with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fuse 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: 100 A  - with type of assignment 2 required  gL/gG: LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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	_
— with type of coordination 1 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A  — with type of assignment 2 required gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position	Design of the fuse link	
- with type of assignment 2 required  gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 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  #5 mm  Depth  Popth  97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  - forwards  0 mm	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  - forwards  0 mm	— with type of coordination 1 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A
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  — forwards  0 mm	— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A
Hounting 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		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:	_
Mounting type  mounting rail according to DIN EN 50022  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
U IIIIII	— 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