



Reference: 3RT2024-1AC20

CONTACTOR, AC-3, 5.5KW/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	7,5g / 5 ms, 4,7g / 10 ms
with sine pulse	
— at AC	11,8g / 5 ms, 7,4g / 10 ms

Mechanical service life (watching cycles) of 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 NO contacts for main contacts 0 Operating voltage at AC3 rated value maximum 690 V Operating current at AC-1 at 400 V — at ambient temperature 40 °C rated value 40 A at AC-2 at 400 V at ambient temperature 40 °C rated value 20 A at AC-3 rated value maximum 12 A at AC-3 rated value maximum 12 A at AC-3 rated value 12 A — up to 690 V at ambient temperature 60 °C rated value 20 A at AC-3 rated value 20 A at AC-3 rated value 35 A — at 400 V rated value 12 A at AC-3 rated value 30 V rate		
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 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 60 °C rated value at AC-2 at 400 V rated value 12 A — at AC-3 rated value 12 A — at 400 V rated value 12 A — at 500 V rated value 12 A — at 690 V rated value 12 A — at 600 °C minimum permissible 10 mm² at 40 °C minimum permissible 10 mm² at 40 °C minimum permissible 10 mm² at 400 V rated value 5.5 A Qperating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A	Mechanical service life (switching cycles)	
of the contactor with atd> Ambient conditions: Installation altitude at height above sea level maximum 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 arted value maximum of 90 V - at ambient temperature 40 °C rated value at AC-1 - up to 690 V at ambient temperature 40 °C rated value at AC-3 - at 400 V rated value at AC-3 - at 400 V rated value at AC-3 - at 400 V rated value 12 A - at 500 V rated value 12 A - at 690 V rated value 10 mm² at 40 °C minimum permissible 10 mm² at 40 °C minimum permissible 10 mm² at 400 V rated value 5.5 A Operating current at 12 V rated value 5.5 A Operating current at 400 V rated value 35 A	of contactor typical	10 000 000
Ambient conditions: Installation altitude at height above sea level maximum 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 - up to 690 V at ambient temperature 40 °C rated value at AC-3 - up to 690 V at ambient temperature 40 °C rated value at AC-3 - at 400 V rated value at AC-3 - at 400 V rated value at AC-3 - at 400 V rated value - at 690 V rated value - at 40 °C minimum permissible 10 mm² - at 400 V rated value - 5.5 A Operating current for approx. 200000 operating cycles at 4.C-4 at 400 V rated value 5.5 A Operating current path at DC-1 - at 24 V rated value 35 A 4.5 A	of the contactor with atd>	5 000 000
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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 40 A at AC-1	Installation altitude at height above sea level maximum	2 000 m
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Number of NO contacts for main contacts Number of NC contacts for main contacts Operating voltage at AC-3 rated value maximum at AC-1 - up to 690 V at ambient temperature 40 °C rated value at AC-3 - at 400 V rated value at AC-3 - at 400 V rated value 12 A connectable conductor cross-section in main circuit at AC-1 at 690 V rated value 5.5 A Operating current at 1 current path at DC-1 - at 24 V rated value 35 A 3 A 3 A 3 A 3 A 3 A 3 A 3	during storage	-55 +80 °C
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- at 400 V rated value 12 A - at 500 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 5.5 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 AC-2 at 400 V rated value	12 A
- at 500 V rated value 12 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 5.5 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 AC-3	
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Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 5.5 A at 690 V rated value 5.5 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 60 °C minimum permissible	10 mm²
at AC-4 at 400 V rated value 5.5 A at 690 V rated value 5.5 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 40 °C minimum permissible	10 mm²
at 690 V rated value 5.5 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		
Operating current at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value 4.5 A	at 400 V rated value	5.5 A
at 1 current path at DC-1 — at 24 V rated value 35 A — at 110 V rated value 4.5 A	at 690 V rated value	5.5 A
— at 24 V rated value 35 A — at 110 V rated value 4.5 A	Operating current	
— at 110 V rated value 4.5 A	at 1 current path at DC-1	
	— at 24 V rated value	35 A
— at 220 V rated value 1 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	5.5 kW
at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
Operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2.6 kW
at 690 V rated value	4.6 kW
Thermal short-time current limited to 10 s	110 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	0.5 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	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	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	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 110 V rated value 0.9 A 0.1 A 0.9 A 0.1		
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 11 A at 600 V rated value 11 A tin 600 V rated value 11 A to 700 V rated value 11 A at 200 V rated value 2 A to 80 V rated value 2 A to 80 V rated value 2 A to 80 V rated value 3 A at 200/208 V rated value 3 A at 200/208 V rated value 3 A at 200/208 V rated value 7.5 hp at 275/600 V rated value 10 A both-circuit protection Design of the fuse link for short-circuit protection of the main circuit 10 A with type of coordination 1 required 10 B L/G LV HRC 3NA, DIAZED SSB, NEOZED SSE: 63 A with type of assignment 2 required 10 B L/G LV HRC 3NA, DIAZED SSB, NEOZED SSE: 25 A for short-circuit protection of the auxiliary switch 10 Fuse gL/gG: 10 A Installation/ mounting/ dimensions: Mounting position 4 A S mm Depth 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 - frowards 0 mounting - f	at 110 V rated value	1 A
at 600 V rated value O.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 11 A at 600 V rated value 11 A 12 A 13 A 14 A 15 A 16 A 16 A 17 A 18 A 18 A 18 A 19 A 19 A 10	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 11 A Yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp for three-phase AC motor — at 200/208 V rated value 3 hp — at 200/208 V rated value 3 hp — at 200/208 V rated value 3 hp — at 200/208 V rated value 7.5 hp — at 575/600 V rated value 7.5 hp — at 575/600 V rated value 7.5 hp — at 575/600 V rated value 9 hp — at 200/208 V rated value 9 hp — at 200/208 V rated value 9 hp — at 575/600	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 11 A xt 600 V rated value 11 A Yielded mechanical performance [hp] for single-phase AC motor	at 600 V rated value	0.1 A
Full-load current (FLA) for three-phase AC motor at 480 V rated value 11 A 11	Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value 11 A It A It A It A Yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp for three-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 10 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 ype of assignment 2 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: 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 to prove the surface of the su	UL/CSA ratings:	
At 600 V rated value 11 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 200/209 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — 10 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 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 for short-circuit protection of the auxiliary switch required 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 +/- 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 rall according to DIN EN 50022 Side-by-side mounting Yes Height B5 mm Witto> 45 mm Depth Required spacing with side-by-side mounting rerowards 0 mm	Full-load current (FLA) for three-phase AC motor	
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 460/480 V rated value — at 575/600 V rated value — 10 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 gl/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A — with type of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required 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 +/- 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 Witd> #5 mm Witd> 97 mm Required spacing with side-by-side mounting with side-by-side mounting - forwards O mm	at 480 V rated value	11 A
for single-phase AC motor - at 110/120 V rated value 2 hp for three-phase AC motor - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 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 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 +/- 22.5° on vertical 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 O mm	at 600 V rated value	11 A
at 110/120 V rated value 2 hp at 230 V rated value 2 hp for three-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 10 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 gurlge 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 wortical mounting rail according to DIN EN 50022 Side-by-side mounting Yes Witd> 45 mm Depth 97 mm Required spacing with side-by-side mounting U mm	Yielded mechanical performance [hp]	
at 230 V rated value 2 hp for three-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 10 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 5SB, NEOZED 5SE: 63 A 9 gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A 9 gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A 10 se gL/gG: 10 A Installation/ mounting/ dimensions: Mounting position 4 hy-122.5° on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting type 35 mm Mounting type 55 mm Witd- 45 mm Depth 97 mm Required spacing with side-by-side mounting or mm	for single-phase AC motor	
refor 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	— at 110/120 V rated value	1 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 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 gl/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A gl/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A for short-circuit protection of the auxiliary switch required frequired frequired frequired sulfaction/mounting/ dimensions: Mounting position	— at 230 V rated value	2 hp
- at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 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	for three-phase AC motor	
- at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 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	3 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: 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 #s mm Witd> #s mm Depth 97 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 — 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 type Side-by-side mounting Yes Height #5 mm Witd> #5 mm Required spacing with side-by-side mounting with side-by-side mounting - forwards 0 mm	— at 460/480 V rated value	7.5 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 — forwards 0 mm	— at 575/600 V rated value	10 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	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 97 mm Required spacing with side-by-side mounting with side-by-side mounting - forwards 0 mm	Short-circuit protection	_
 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 45 mm Depth 97 mm Required spacing with side-by-side mounting forwards 0 mm 	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: +/-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 rail according to DIN EN 50022 Side-by-side mounting Height 85 mm Witd> 45 mm Depth 97 mm Required spacing 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: 63 A
Installation/ mounting/ dimensions: Mounting position	— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 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 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