



Reference: 3RT2027-1AL20

CONTACTOR, AC-3, 15KW/400V, 1NO +1NC, AC 230V 50/60HZ, 3-POLE, SZ S0 **SCREW TERMINAL** 

**Buy it at Electric Automation Network** 



product brand name	SIRIUS
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
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	50 A
at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	50 A
— up to 690 V at ambient temperature 60 °C rated value	42 A
at AC-2 at 400 V rated value	32 A
at AC-3	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 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	12 A
at 690 V rated value	12 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	16 kW
— at 230 V at 60 °C rated value	15.5 kW
— at 400 V rated value	28 kW

at 400 V at 80 °C rated value 48 kW 47.5 kW at 69 °C rated value 48 kW 47.5 kW at 69 °C rated value 47.5 kW at AC-2 at 400 V rated value 7.5 kW 46.5 kW 46.		
at AC-2 at 400 V rated value  at AC-3  — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 900 V rated value  Operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value — 6 kW at 690 V rated value — 10.3 kW  Thermal short-time current limited to 10 s  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  No-load switching 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 — at 50 Hz rated value — 230 V  Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz — Apparent pick-up power of magnet coil at AC — at 50 Hz — at 60 Hz — Apparent holding power of magnet coil at AC — at 50 Hz — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — at 60 Hz — Apparent holding power of magnet coil at AC — Apparent holding power of magnet coil at AC — Apparent holding power of magnet coil at AC — Apparent holding power of magnet coil at AC — Apparent holding power of magnet coil at AC — Apparent holding power of magnet coil at AC	— at 400 V at 60 °C rated value	27.5 kW
at AC-2 at 400 V rated value  at AC-3  — at 230 V rated value  — at 690 V rated value  — at AC-3 maximum  — at AC-4 maximum  — at AC-4 maximum  — at AC-3 maximum  — at AC-4 maximum  — at AC-4 maximum  — at AC-4 maximum  — at AC-4 maximum  — at Control circuit/ Control:  — Type of voltage of the control supply voltage  — at 50 Hz rated value  — at 50 Hz  — at 60 Hz	— at 690 V rated value	48 kW
at AC-3  — at 230 V rated value  — at 400 V rated value  — at 690 V rated value  — at 690 V rated value  Departing power for approx. 200000 operating cycles at AC-4  at 400 V rated value  10.3 kW  Thermal short-time current limited to 10 s  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  No-load switching frequency  at AC  Departing frequency  at AC-1 maximum  1 000 1/h  at AC-2 maximum  250 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  230 V  Departing range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  Apparent holding power of magnet coil at AC  Apparent holding power of magnet coil at AC  Apparent holding power of magnet coil at AC	— at 690 V at 60 °C rated value	47.5 kW
— at 230 V rated value 7.5 kW — at 400 V rated value 15 kW — at 690 V rated value 18.5 kW  Operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 6 kW at 690 V rated value 10.3 kW  Thermal short-time current limited to 10 s 260 A  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  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 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 230 V  Operating magnet coil at AC at 50 Hz 0.8 1.1  Apparent pick-up power of magnet coil at AC at 50 Hz 10 Hz at 60 Hz 79 V-A  Inductive power factor with closing power of the coil at 50 Hz at 60 Hz 0.72  Apparent holding power of magnet coil at AC	at AC-2 at 400 V rated value	15 kW
— at 400 V rated value 18.5 kW  — at 690 V rated value 18.5 kW  Operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value 6 kW  at 690 V rated value 10.3 kW  Thermal short-time current limited to 10 s 260 A  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor 2.7 W  No-load switching frequency at AC 5 000 1/h  Operating frequency 1000 1/h  at AC-1 maximum 1 000 1/h  at AC-2 maximum 750 1/h  at AC-3 maximum 250 1/h  Control circuit/ Control:  Type of voltage of the control supply voltage AC  Control supply voltage at AC 230 V  Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 81 VA  at 60 Hz 0.8 1.1  Apparent pick-up power of magnet coil at AC at 50 Hz 81 VA  at 60 Hz 79 VA  Inductive power factor with closing power of the coil at 50 Hz 0.72  at 60 Hz 0.72  Apparent holding power of magnet coil at AC	at AC-3	
— at 690 V rated value  Operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value  at 690 V rated value  10.3 kW  Thermal short-time current limited to 10 s  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  No-load switching frequency  at AC-1  Operating frequency  at AC-2 maximum  1 000 1/h  at AC-2 maximum  750 1/h  at AC-3 maximum  250 1/h  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage at AC  at 50 Hz arted value  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  A 50 Hz  81 V-A  A 160 Hz  Apparent holding power of magnet coil at AC	— at 230 V rated value	7.5 kW
Deprating power for approx. 200000 operating cycles at AC-4  at 400 V rated value 6 kW  at 690 V rated value 10.3 kW  Thermal short-time current limited to 10 s 260 A  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  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 230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  0.8 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  0.72  at 60 Hz  0.72	— at 400 V rated value	15 kW
at 400 V rated value 6 kW  at 690 V rated value 10.3 kW  Thermal short-time current limited to 10 s 260 A  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  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 230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz 9.8 1.1  Apparent pick-up power of magnet coil at AC  at 60 Hz 79 V-A  Inductive power factor with closing power of the coil  at 50 Hz 0.72  at 60 Hz 0.72  Apparent holding power of magnet coil at AC	— at 690 V rated value	18.5 kW
at 690 V rated value  Thermal short-time current limited to 10 s  260 A  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  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  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  10.72  at 60 Hz  10.74  Apparent holding power of magnet coil at AC		
Thermal short-time current limited to 10 s  Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  No-load switching frequency  at AC	at 400 V rated value	6 kW
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor  No-load switching frequency at AC  Doperating 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 230 V  Doperating range factor control supply voltage rated value of magnet coil at AC at 50 Hz  at 60 Hz  Apparent pick-up power of magnet coil at AC at 50 Hz  at 60 Hz  Doperating range factor with closing power of the coil at 50 Hz  at 60 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil at 50 Hz  Doperating range factor with closing power of the coil	at 690 V rated value	10.3 kW
operating current per conductor  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 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 80	Thermal short-time current limited to 10 s	260 A
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 230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz 0.8 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		2.7 W
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 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  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  0.72  at 60 Hz  0.74  Apparent holding power of magnet coil at AC	No-load switching frequency	
at AC-1 maximum  at AC-2 maximum  750 1/h  at AC-3 maximum  750 1/h  at AC-4 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  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  Apparent pick-up power feator with closing power of the coil  at 50 Hz  at 60 Hz  O.72  at 60 Hz  Apparent holding power of magnet coil at AC	at AC	5 000 1/h
at AC-2 maximum  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  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  AC  0.8 1.1  Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  0.79 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	Operating frequency	
at AC-3 maximum  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  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  81 V-A  at 60 Hz  10.72  at 60 Hz  0.72  at 60 Hz  0.74  Apparent holding power of magnet coil at AC	at AC-1 maximum	1 000 1/h
at AC-4 maximum  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage at AC  at 50 Hz rated value  230 V  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  Apparent pick-up power of the coil  at 50 Hz  at 60 Hz  0.79 V-A  Inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  0.72  at 60 Hz  Apparent holding power of magnet coil at AC	at AC-2 maximum	750 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  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  0.8 1.1  Apparent pick-up power of magnet coil at AC  at 50 Hz  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	at AC-3 maximum	750 1/h
Type of voltage of the control supply voltage  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  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  79 V-A  Inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  0.72  at 60 Hz  0.74  Apparent holding power of magnet coil at AC	at AC-4 maximum	250 1/h
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 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	Control circuit/ Control:	
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  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  81 V·A  at 60 Hz  Inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  0.72  at 60 Hz  0.74  Apparent holding power of magnet coil at AC	Type of voltage of the control supply voltage	AC
at 60 Hz rated value  Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  0.8 1.1  at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  81 V·A  at 60 Hz  Inductive power factor with closing power of the coil  at 50 Hz  0.72  at 60 Hz  Apparent holding power of magnet coil at AC	Control supply voltage at AC	
Operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  O.85 1.1  Apparent pick-up power of magnet coil at AC  at 50 Hz  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	at 50 Hz rated value	230 V
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	at 60 Hz rated value	230 V
at 60 Hz  Apparent pick-up power of magnet coil at AC  at 50 Hz  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		
Apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  79 V·A  Inductive power factor with closing power of the coil  at 50 Hz  0.72  at 60 Hz  Apparent holding power of magnet coil at AC	at 50 Hz	0.8 1.1
at 50 Hz  at 60 Hz  79 V·A  Inductive power factor with closing power of the coil  at 50 Hz  0.72  at 60 Hz  Apparent holding power of magnet coil at AC	at 60 Hz	0.85 1.1
at 60 Hz  Inductive power factor with closing power of the coil  at 50 Hz  o.72  at 60 Hz  Apparent holding power of magnet coil at AC	Apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  O.72  Apparent holding power of magnet coil at AC	at 50 Hz	81 V·A
at 50 Hz 0.72  at 60 Hz 0.74  Apparent holding power of magnet coil at AC	at 60 Hz	79 V·A
at 60 Hz 0.74  Apparent holding power of magnet coil at AC	Inductive power factor with closing power of the coil	
Apparent holding power of magnet coil at AC	at 50 Hz	0.72
	at 60 Hz	0.74
at 50 Hz 10.5 V·A	Apparent holding power of magnet coil at AC	
	at 50 Hz	10.5 V·A

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

at 110 Y rated value 0.9 A 0.9		
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 27 A  at 600 V rated value 27 A  the found of the contact performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp — at 230 V rated value 5 hp  for three-phase AC motor — at 200/208 V rated value 10 hp — at 220/230 V rated value 20 hp — at 220/230 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 20 hp — at 5	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 27 A  at 600 V rated value 27 A  Yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 5 hp  at 230 V rated value 10 hp — at 220/238 V rated value 10 hp — at 220/238 V rated value 10 hp — at 220/238 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch required surface; can be tilted forward and backward by +/- 22.5° on vertical mounting vifface; can be tilted forward and backward by +/- 22.5° on vertical mounting type side mounting type side mounting Yes  Height 85 mm  Witto> 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 27 A  Yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 5 hp for three-phase AC motor — at 200/208 V rated value 10 hp — at 220/230 V rated value 10 hp — at 220/230 V rated value 20 hp — at 460/480 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 25 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 NH 3NA, DIAZED SSB, NEOZED SSE: 125 A — with type of assignment 2 required gL/gG NH 3NA, DIAZED SSB, NEOZED SSE: 50 A for short-circuit protection of the auxiliary switch required function of the auxiliary switch required 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 for the SSB mm  Witd> 45 mm  Depth 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing with side-by-side mounting	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 27 A  x1 600 V rated value 27 A  Yielded mechanical performance [hp] for single-phase AC motor  - at 110/120 V rated value 2 hp  - at 230 V rated value 5 hp  for three-phase AC motor  - at 200/208 V rated value 10 hp  - at 200/208 V rated value 20 hp  - at 460/480 V rated value 20 hp  - at 575/600 V rated value 25 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 9L/GS NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  with type of assignment 2 required 9L/GS NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A  for short-circuit protection of the auxiliary switch required  Mounting position  Another switch 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  Mounting type  Side-by-side mounting Yes  Height 85 mm  Witd> 45 mm  Depth  Required spacing  with side-by-side mounting  or mm	at 600 V rated value	0.1 A
Full-load current (FLA) for three-phase AC motor at 480 V rated value 27 A  Yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 2 b p — at 230 V rated value 3 b p for three-phase AC motor — at 200/208 V rated value 10 hp — at 220/230 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 25 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-/g6 NH 3NA, DIAZED 558, NEOZED 55E: 125 A — with type of assignment 2 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 rail according to DIN EN 50022  Side-by-side mounting Yes Height #55 mm Witd> 45 mm  Depth Required spacing with side-by-side mounting with side-by-side mounting 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 27 A  at 600 V rated value 27 A  Yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp  — at 230 V rated value 5 hp  for three-phase AC motor  — at 200/208 V rated value 10 hp  — at 220/230 V rated value 20 hp  — at 460/480 V rated value 20 hp  — at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  — with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch required 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; scan 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; scan 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; scan 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; scan 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; scan 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; scan 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; scan be tilted forward and backward by +/- 22.5° on vertical mounting surface; scan be tilted forward and backward by +/- 22.5° on vertical mounting	UL/CSA ratings:	
At 600 V rated value 27 A  Yielded mechanical performance [hp]  for single-phase AC motor 2 hp — at 230 V rated value 5 hp  for three-phase AC motor 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 20 hp — at 460/480 V rated value 20 hp — at 460/480 V rated value 20 hp — at 575/600 V rated value 25 hp  Contact rating of auxiliary contacts according to UL A600 / Q600  Design of the fuse link for short-circuit protection of the main circuit with pe of coordination 1 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A gl/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position 4 h/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 an	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 200/208 V rated value — at 200/208 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 600 / 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A — with type of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting position  Mounting type  Screw and snap-on mounting ourface: 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 Yes  Height B5 mm  Witd> 45 mm  Depth Required spacing with side-by-side mounting with side-by-side mounting with side-by-side mounting  O mm	at 480 V rated value	27 A
for single-phase AC motor  — at 110/120 V rated value 2 hp  — at 230 V rated value 5 hp  for three-phase AC motor  — at 200/208 V rated value 10 hp  — at 200/208 V rated value 20 hp  — at 460/480 V rated value 20 hp  — at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch 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 cilculated mounting surface.  Screw and snap-on mounting onto 35 mm standard mounting type  Side-by-side mounting 7 ves  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  or mounting surface  or mounting surface  or mounting surface  or and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Side-by-side mounting 0 7 mm  Required spacing  with side-by-side mounting 0 0 mm	at 600 V rated value	27 A
at 110/120 V rated value 5 hp  at 230 V rated value 5 hp  for three-phase AC motor  at 200/208 V rated value 10 hp  at 220/230 V rated value 20 hp  at 460/480 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch required forward and backward by +/- 22.5° on vertical mounting vurface; 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 with side-by-side mounting 45 mm  Required spacing with side-by-side mounting  with side-by-side mounting  for short-circuit protection of the auxiliary switch fuse gL/gG: 0 A  ### 180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface.  ### 25 mm  ### 26 mm  ### 26 mm  ### 26 mm  ### 26 mm  ### 27 mm  ### 28 mm  ### 29 mm  ### 29 mm  ### 20 mm  ###	Yielded mechanical performance [hp]	
at 230 V rated value 5 hp  for three-phase AC motor 10 hp  at 220/230 V rated value 10 hp  at 460/480 V rated value 20 hp  at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position 4 hy 10 has a period of the main circuit 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 type Side-by-side mounting Yes  Height 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing with side-by-side mounting  O mm	for single-phase AC motor	
refor three-phase AC motor  - at 200/208 V rated value	— at 110/120 V rated value	2 hp
— at 200/208 V rated value 10 hp  — at 220/230 V rated value 20 hp  — at 460/480 V rated value 20 hp  — at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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 was 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  o mm	— at 230 V rated value	5 hp
- at 220/230 V rated value 10 hp - at 460/480 V rated value 20 hp - at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  - with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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 85 mm  Witd> 45 mm  Depth 97 mm  Required spacing  with side-by-side mounting  with side-by-side mounting  o mm	for three-phase AC motor	
- at 460/480 V rated value 20 hp  - at 575/600 V rated value 25 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 NH 3NA, DIAZED 55B, NEOZED 55E: 125 A  - with type of assignment 2 required gL/gG NH 3NA, DIAZED 55B, NEOZED 55E: 50 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	10 hp
- at 575/600 V rated value 25 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  - with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A  for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  Installation/ mounting/ dimensions:  Mounting position	— at 220/230 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  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  #5 mm  Witd>  #5 mm  Required spacing  with side-by-side mounting  #6 on mm	— at 460/480 V rated value	20 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  — with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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  ##S mm  Witd>  ##S mm  Depth  ##S mm  Required spacing  with side-by-side mounting  ##O mm  ##D	— at 575/600 V rated value	25 hp
Design of the fuse link for short-circuit protection of the main circuit  - with type of coordination 1 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  - with type of assignment 2 required gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  - with type of assignment 2 required  gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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  Side-by-side mounting  Yes  Height  85 mm  Witd>  45 mm  Depth  Popth	Short-circuit protection	_
<ul> <li>with type of coordination 1 required</li> <li>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A</li> <li>with type of assignment 2 required</li> <li>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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>mounting</li> <li>mounting</li> <li>mounting</li> <li>mounting</li> <li>O mm</li> </ul>	Design of the fuse link	
— with type of assignment 2 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A         for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         Installation/ mounting/ dimensions: <ul> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>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> </ul> 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 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 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 NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 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