## SIEMENS

## Data sheet

## 3RT1264-6NP36



vacuum contactor AC-3e/AC-3 225 A, 110 kW / 400 V, 3-pole, Uc: 200-277 V AC(50-60 Hz) / DC PLC input 24 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	27 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	9 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
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

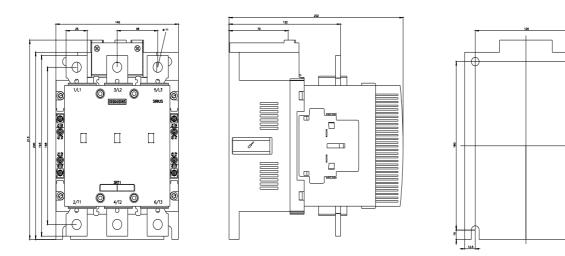
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	220 A
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 $^\circ\mathrm{C}$ rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	330 A
— up to 1000 V at ambient temperature 60 $^\circ \mathrm{C}$ rated value	300 A
• at AC-3	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value — at 1000 V rated value	225 A 225 A
• at AC-3e	223 A
at A0-se     — at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	225 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	195 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated value	225 A
— up to 400 V for current peak value n=20 rated value	225 A
— up to 500 V for current peak value n=20 rated value	225 A
— up to 690 V for current peak value n=20 rated value	225 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	225 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	209 A
— up to 400 V for current peak value n=30 rated value	209 A
— up to 500 V for current peak value n=30 rated value	209 A
— up to 690 V for current peak value n=30 rated value	209 A
— up to 1000 V for current peak value n=30 rated value	209 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value	97 A
at 400 V rated value     at 690 V rated value	97 A 97 A
• at 690 v rated value operating power	
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	315 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW

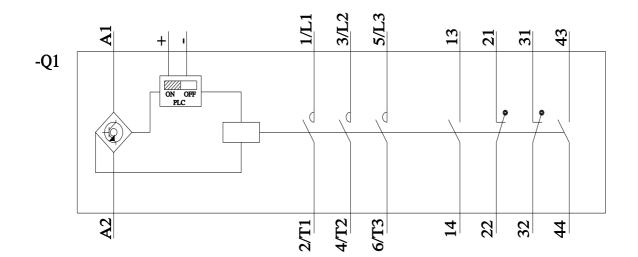
— at 1000 V rated value	315 kW
operating power for approx. 200000 operating cycles at AC- 4	
• at 400 V rated value	55 kW
at 690 V rated value	94 kW
operating apparent power at AC-6a	00.000 ()//4
• up to 230 V for current peak value n=20 rated value	90 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	150 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	190 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	260 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	390 000 VA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	80 000 VA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	140 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	180 000 VA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	250 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	360 000 VA
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	000.44
<ul> <li>at AC-1 maximum</li> </ul>	800 1/h
• at AC-2 maximum	300 1/h
<ul> <li>at AC-3 maximum</li> </ul>	750 1/h
<ul> <li>at AC-3e maximum</li> </ul>	750 1/h
<ul> <li>at AC-4 maximum</li> </ul>	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	200 277 V
• at 60 Hz rated value	200 277 V
control supply voltage at DC	
rated value	200 277 V
operating range factor control supply voltage rated value of	
magnet coil at DC	
initial value	0.8
<ul> <li>full-scale value</li> </ul>	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
type of PLC-control input according to IEC 60947-1	Туре 2
consumed current at PLC-control input according to IEC	20 mA
60947-1 maximum	
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power	
at minimum rated control supply voltage at AC	
— at 50 Hz	420 VA
— at 60 Hz	420 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	570 VA
— at 50 Hz	570 VA
apparent nick up nower of magnet sell of AC	
apparent pick-up power of magnet coil at AC	EZO \/A
• at 50 Hz	570 VA
• at 50 Hz • at 60 Hz	570 VA 570 VA
• at 50 Hz	
• at 50 Hz • at 60 Hz	
at 50 Hz     at 60 Hz inductive power factor with closing power of the coil	570 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> </ul>	570 VA 0.8
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	570 VA 0.8

<ul> <li>at maximum rated control supply voltage at DC</li> </ul>	3.4 VA
apparent holding power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	5.5 VA
— at 60 Hz	5.5 VA
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	8.5 VA
— at 60 Hz	8.5 VA
apparent holding power of magnet coil at AC	0.5 VA
	8.5 VA
• at 50 Hz	
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.5
• at 60 Hz	0.4
closing power of magnet coil at DC	630 W
holding power of magnet coil at DC	3.4 W
closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	· _ • · · • • • • • • · · · · · · · · ·
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value	2 A
• at 690 V rated value	1A
at 690 V rated value     operational current at DC-12	1 A
at 690 V rated value     operational current at DC-12         • at 24 V rated value	1 A 10 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value	1 A 10 A 6 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value	1 A 10 A 6 A 6 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value	1 A 10 A 6 A 6 A 3 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value	1 A 10 A 6 A 6 A 3 A 2 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 600 V rated value      at 220 V rated value      at 220 V rated value      at 600 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 48 V rated value      at 24 V rated value      at 24 V rated value      at 48 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 24 V rated value      at 24 V rated value      at 48 V rated value      at 48 V rated value      at 48 V rated value      at 60 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 600 V rated value      at 48 V rated value      at 40 V rated value      at 40 V rated value      at 410 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 1 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 600 V rated value      at 24 V rated value      at 24 V rated value      at 48 V rated value      at 40 V rated value      at 410 V rated value      at 110 V rated value      at 110 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 48 V rated value      at 60 V rated value      at 110 V rated value      at 125 V rated value      at 220 V rated value      at 600 V rated value      at 600 V rated value      at 24 V rated value      at 24 V rated value      at 48 V rated value      at 48 V rated value      at 48 V rated value      at 40 V rated value      at 20 V rated value      at 220 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
at 690 V rated value      operational current at DC-12          at 24 V rated value          at 48 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 220 V rated value          at 600 V rated value          at 600 V rated value          at 24 V rated value          at 20 V rated value          at 20 V rated value          at 24 V rated value          at 24 V rated value          at 20 V rated value          at 60 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 220 V rated value          at 220 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
at 690 V rated value      operational current at DC-12          at 24 V rated value          at 48 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 220 V rated value          at 600 V rated value          at 600 V rated value          at 24 V rated value          at 25 V rated value          at 20 V rated value          at 24 V rated value          at 24 V rated value          at 48 V rated value          at 40 V rated value          at 40 V rated value          at 600 V rated value          at 600 V rated value          at 110 V rated value          at 110 V rated value          at 600 V rated value          at 600 V rated value          at 110 V rated value          bat 110 V rated value          bat 125 V rated value          bat 125 V rated value          bat 125 V rated value          bat 220 V rated value          bat 600 V rated	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
at 690 V rated value      operational current at DC-12          at 24 V rated value          at 48 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 220 V rated value          at 600 V rated value          at 600 V rated value          at 48 V rated value          at 24 V rated value          at 25 V rated value          at 20 V rated value          at 600 V rated value          at 200 V rated value          at 200 V rated value          at 600 V rated value          at 24 V rated value          at 48 V rated value          at 48 V rated value          at 40 V rated value          at 60 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 125 V rated value          at 120 V rated value          at 125 V rated value          bat 220 V rated value          bat 200 V rated value          bat 200 V rate	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
at 690 V rated value      operational current at DC-12          at 24 V rated value          at 48 V rated value          at 60 V rated value          at 110 V rated value          at 125 V rated value          at 220 V rated value          at 600 V rated value          at 220 V rated value          at 600 V rated value          at 600 V rated value          at 220 V rated value          at 60 V rated value          at 60 V rated value          at 60 V rated value          at 125 V rated value          at 125 V rated value          at 120 V rated value          at 125 V rated value          at 125 V rated value          bat 125 V rated value          at 125 V rated value          bat 00 V rated value	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.3 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 22 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 1 A 0.15 A 10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 220 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 1 A 0.15 A 10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 210 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 20 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 125 V rated value</li> <li>at 120 V rated value</li> <li>at 120 V rated value</li> <li>at 600 V rated value</li> <li>at 200/208 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 210 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 20 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A

— at 575/600 V rated value	200 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	gG: 500 A (690 V, 100 kA)			
— with type of assignment 2 required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50			
	kA)			
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)			
Installation/ mounting/ dimensions				
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface			
fastening method	screw fixing			
side-by-side mounting	Yes			
height	210 mm			
width	145 mm			
depth	206 mm			
required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
<ul> <li>for grounded parts</li> </ul>				
— forwards	20 mm			
— upwards	10 mm			
— at the side	10 mm			
— downwards	10 mm			
<ul> <li>for live parts</li> </ul>				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	10 mm			
Connections/ Terminals				
type of electrical connection	Oursesting has			
for main current circuit	Connection bar			
for auxiliary and control circuit	screw-type terminals			
at contactor for auxiliary contacts	Screw-type terminals			
of magnet coil	Screw-type terminals			
width of connection bar	25 mm 6 mm			
diameter of holes	11 mm			
number of holes	1			
connectable conductor cross-section for main contacts				
stranded	70 240 mm²			
connectable conductor cross-section for auxiliary contacts				
solid or stranded	0.5 4 mm²			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>			
type of connectable conductor cross-sections				
for auxiliary contacts				
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)			
— solid or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> )			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )			
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12			
AWG number as coded connectable conductor cross				
section				
<ul> <li>for auxiliary contacts</li> </ul>	18 14			
Safety related data				
product function				
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes			
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No			

suitability for use safe	ety-related switching OFF	No			
-	st interval or service life acco	rding to IEC 20 a			
protection class IP	on the front according to I	EC 60529 IP00	; IP20 with box terminal/o	cover	
touch protection on	the front according to IEC	60529 finge	er-safe, for vertical contac	t from the front with box te	erminal/cover
Certificates/ approval	S				
General Product Ap	oproval				
()		<u>Confirmation</u>	(h) L	KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	rmity	Test Certificates	
RCM	<u>Type Examination Cer-</u> tificate	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					other
ABS	Llovd's Register us	PRS	KMRS RMRS	DNV-GL DNV-GL	<u>Confirmation</u>
other		Railway			
<u>Confirmation</u>	Miscellaneous	Vibration and Shock	<u>Special Test Certific-</u> <u>ate</u>		
	ed to exit the Russian mar				
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