

CONTACTOR RELAY, 2NO+2NC, DC 24 V, SCREW CONNECTION, SIZE S00



Figure similar

product brand name	SIRIUS
Product designation	contactor relay
General technical data:	
Size of contactor	S00
Product expansion	Yes
• Auxiliary switch	
Insulation voltage	690 V
• with degree of pollution 3 Rated value	
Surge voltage resistance Rated value	6 kV
Protection class IP	IP20
• on the front	
Degree of pollution	3
Mechanical service life (switching cycles)	
• of the contactor typical	30 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
Equipment marking	

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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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
• during transport	-55 ... +80 °C

Control circuit/ Control:

Type of voltage of the control supply voltage	DC
Control supply voltage at DC	
• Rated value	24 V
Operating range factor control supply voltage rated value of the magnet coil at DC	0.8 ... 1.1
Closing power of the magnet coil at DC	3.2 W
Holding power of the magnet coil at DC	3.2 W

Auxiliary circuit:

Number of NC contacts	
• for auxiliary contacts	2
— instantaneous contact	2
— delayed switching	0
— lagging switching	0
— make-before-break switching	0
Number of NO contacts	
• for auxiliary contacts	2
— instantaneous contact	2
— delayed switching	0
— leading contact	0
— make-before-break switching	0
Number of CO contacts	
• for auxiliary contacts	0
• of the auxiliary contacts instantaneous contact	0
Identification number and letter for switching elements	22 E
Operating current at AC-12 maximum	10 A
Operating 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	1 A

Operating current at 1 current path at DC-12	
• at 24 V Rated value	10 A
• at 110 V Rated value	3 A
• at 220 V Rated value	1 A
Operating current at 1 current path at DC-13	
• at 24 V Rated value	10 A
• at 110 V Rated value	1 A
• at 220 V Rated value	0.27 A
Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

Short-circuit:

Design of the fuse link

- 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
Mounting type	screw and snap-on mounting
Height	57.5 mm
Width	45 mm
Depth	72 mm
Required spacing	
• with side-by-side mounting	
— at the side	0 mm

Safety related data:

B10 value with high demand rate acc. to SN 31920	1 000 000; With 0.3 x I _e
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	40 %
• with high demand rate acc. to SN 31920	75 %
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Certificates/ approvals: