

— at 24 V Rated value	20 A
— at 110 V Rated value	20 A
— at 220 V Rated value	20 A
— at 440 V Rated value	1.3 A
• at DC-3 at DC-5	
— at 110 V Rated value	20 A
— at 220 V Rated value	1.5 A
— at 24 V Rated value	20 A
— at 440 V Rated value	0.2 A
<b>Operating power</b>	
• at AC-1	
— at 230 V at 60 °C Rated value	7.5 kW
— at 400 V at 60 °C Rated value	13 kW
— at 690 V at 60 °C Rated value	22 kW
<b>Active power loss at AC-3 at 400 V for rated value of the operating current per conductor</b>	1.2 W
<b>Operating frequency</b>	
• 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
<b>No-load switching frequency</b>	
• with AC	10 000 1/h

Control circuit/ Control:	
<b>Type of voltage of the control supply voltage</b>	AC
<b>Control supply voltage with AC</b>	
• at 50 Hz Rated value	24 V
• at 60 Hz Rated value	24 V
<b>Operating range factor control supply voltage rated value of the magnet coil with AC</b>	
• at 50 Hz	0.8 ... 1.1
• at 60 Hz	0.85 ... 1.1
<b>Apparent pick-up power of the magnet coil with AC</b>	
• at 50 Hz	37 V·A
• at 60 Hz	43 V·A
<b>Inductive power factor with closing power of the coil</b>	
• at 50 Hz	0.8
• at 60 Hz	0.8
<b>Apparent holding power of the magnet coil with AC</b>	
• at 50 Hz	5.7 V·A
• at 60 Hz	6.5 V·A

<b>Inductive power factor with the holding power of the coil</b>	
• at 50 Hz	0.25
• at 60 Hz	0.25
<b>Closing delay</b>	
• with AC	8 ... 33 ms
<b>Opening delay</b>	
• with AC	4 ... 15 ms
<b>Arcing time</b>	10 ... 15 ms

#### Auxiliary circuit:

<b>Number of NC contacts</b>	
• for auxiliary contacts	
— instantaneous contact	0
<b>Number of NO contacts</b>	
• for auxiliary contacts	
— instantaneous contact	0
<b>Product expansion Auxiliary switch</b>	Yes
<b>Contact reliability of the auxiliary contacts</b>	1 faulty switching per 100 million (17 V, 1 mA)

#### UL/CSA ratings:

<b>Full-load current (FLA) for three-phase AC motor</b>	
• at 480 V Rated value	7.6 A
• at 600 V Rated value	9 A
<b>yielded mechanical performance [hp]</b>	
• for single-phase AC motor	
— at 110/120 V Rated value	0.33 hp
— at 230 V Rated value	1 hp
• for three-phase AC motor	
— at 200/208 V Rated value	2 hp
— at 220/230 V Rated value	3 hp
— at 460/480 V Rated value	5 hp
— at 575/600 V Rated value	7.5 hp

#### Short-circuit:

<b>Design of the fuse link</b>	
• for short-circuit protection of the main circuit	
— with type of assignment 1 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A
— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20 A
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A

#### Installation/ mounting/ dimensions: