

— at 110 V Rated value	0.35 A
— at 24 V Rated value	20 A
<b>Operating current with 3 current paths in series</b>	
• at DC-1	
— 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 600 V Rated value	1 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
— at 600 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>Operating power for ≥ 200000 operating cycles at AC-4</b>	
• at 400 V Rated value	2 kW
• at 690 V Rated value	2.5 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>	
• for DC	10 000 1/h
<b>Control circuit/ Control:</b>	
<b>Type of voltage of the control supply voltage</b>	DC
<b>Control supply voltage for DC</b>	
• Rated value	220 V
<b>Operating range factor control supply voltage rated value of the magnet coil for DC</b>	0.8 ... 1.1
<b>Closing power of the magnet coil for DC</b>	4 W
<b>Holding power of the magnet coil for DC</b>	4 W
<b>Closing delay</b>	

<ul style="list-style-type: none"> <li>• for DC</li> </ul>	30 ... 100 ms
<b>Opening delay</b>	
<ul style="list-style-type: none"> <li>• for DC</li> </ul>	7 ... 13 ms
<b>Arcing time</b>	10 ... 15 ms
<b>Residual current of the electronics for control with signal &lt;0&gt;</b>	
<ul style="list-style-type: none"> <li>• with AC at 230 V maximum permissible</li> </ul>	4 mA
<ul style="list-style-type: none"> <li>• for DC at 24 V maximum permissible</li> </ul>	10 mA

#### Auxiliary circuit:

<b>Number of NC contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— instantaneous contact</li> </ul> </li> </ul>	0
<b>Number of NO contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— instantaneous contact</li> </ul> </li> </ul>	1
<b>Product expansion Auxiliary switch</b>	Yes
Operating current at AC-12 maximum	10 A
<b>Operating current at AC-15</b>	
<ul style="list-style-type: none"> <li>• at 230 V Rated value</li> </ul>	10 A
<ul style="list-style-type: none"> <li>• at 400 V Rated value</li> </ul>	3 A
<ul style="list-style-type: none"> <li>• at 690 V Rated value</li> </ul>	1 A
<b>Operating current at DC-12</b>	
<ul style="list-style-type: none"> <li>• at 60 V Rated value</li> </ul>	6 A
<ul style="list-style-type: none"> <li>• at 110 V Rated value</li> </ul>	3 A
<ul style="list-style-type: none"> <li>• at 125 V Rated value</li> </ul>	2 A
<ul style="list-style-type: none"> <li>• at 220 V Rated value</li> </ul>	1 A
<ul style="list-style-type: none"> <li>• at 600 V Rated value</li> </ul>	0.15 A
<b>Operating current at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V Rated value</li> </ul>	10 A
<ul style="list-style-type: none"> <li>• at 60 V Rated value</li> </ul>	2 A
<ul style="list-style-type: none"> <li>• at 110 V Rated value</li> </ul>	1 A
<ul style="list-style-type: none"> <li>• at 125 V Rated value</li> </ul>	0.9 A
<ul style="list-style-type: none"> <li>• at 220 V Rated value</li> </ul>	0.3 A
<ul style="list-style-type: none"> <li>• at 600 V Rated value</li> </ul>	0.1 A
<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>	
<ul style="list-style-type: none"> <li>• at 480 V Rated value</li> </ul>	11 A
<ul style="list-style-type: none"> <li>• at 600 V Rated value</li> </ul>	11 A
<b>yielded mechanical performance [hp]</b>	
<ul style="list-style-type: none"> <li>• for single-phase AC motor</li> </ul>	