## SIEMENS

## Data sheet

## 3RT1076-6NF36



power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 96-127 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: electronic with PLC interface 24 V DC screw terminal

size of contactor         S12           product extension         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         165 W           • at AC in hot operating state per pole         55 W           • without load current share typical         1000 V           • of main circuit with degree of pollution 3 rated value         1000 V           • of main circuit with degree of pollution 3 rated value         500 V           • of main circuit rated value         8 kV           • of auxiliary scircuit rated value         8 kV           • at DC         8,5g / 5 ms, 4,2g / 10 ms           • at DC         13,4g / 5 ms, 6,5g / 10 ms           • at DC         10 000 000           • of contactor typical         10 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary s	product brand name	SIRIUS
Beneral technical data           size of contactor         S12           product extension         No           • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         165 W           • at AC in hot operating state per pole         55 W           • of main circuit with degree of pollution 3 rated value         1000 V           • of main circuit with degree of pollution 3 rated value         1000 V           • of main circuit rated value         6 KV           surge voltage resistance         6 kV           • of main circuit rated value         8 kV           • of main circuit rated value         8 kV           • of maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1         600 V           shock resistance at rectangular impulse         4 at AC           • at AC         8,5g / 5 ms, 4,2g / 10 ms           • at AC         13,4g / 5 ms, 6,5g / 10 ms           • at AC         1000000           • at DC         1000000           • at DC         1000000           • at DC         1000000           • at DC         10000 000           • at DC         10000 000           • o	product designation	Power contactor
size of contactor         S12           product extension         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         165 W           • at AC in hot operating state per pole         55 W           • without load current share typical         1000 V           • of main circuit with degree of pollution 3 rated value         1000 V           • of main circuit with degree of pollution 3 rated value         500 V           • of main circuit rated value         8 kV           • of auxiliary scircuit rated value         8 kV           • at DC         8,5g / 5 ms, 4,2g / 10 ms           • at DC         13,4g / 5 ms, 6,5g / 10 ms           • at DC         10 000 000           • of contactor typical         10 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary s	product type designation	3RT1
product extension       • function module for communication       No         • auxiliary switch       Yes         power loss [W] for rated value of the current       • at AC in hot operating state       165 W         • at AC in hot operating state per pole       55 W	General technical data	
<ul> <li>function module for communication</li> <li>auxiliary switch</li> <li>yes</li> <li>power loss [W] for rated value of the current</li> <li>at AC in hot operating state</li> <li>at AC in hot operating state per pole</li> <li>of main circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit rated value</li> <li>at AC</li> <li>bock resistance with sine pulse</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>bock resistance with sine pulse</li> <li>at AC</li> <li>at AC</li> <li>bick resistance with sine pulse</li> <li>at AC</li> <li>bick resistance with added electronically optimized</li> <li>auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the conta</li></ul>	size of contactor	S12
• auxiliary switchYespower loss [W] for rated value of the current-• at AC in hot operating state probe55 W• at AC in hot operating state probe3.6 W• without load current share typical	product extension	
power loss [W] for rated value of the current <ul> <li>at AC in hot operating state</li> <li>at AC in hot operating state per pole</li> <li>without load current share typical</li> <li>of main circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit rated value</li> <li>fox the sistence at rectangular impulse</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>at DC</li> <li>at DC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>box resistance with sine pulse</li> <li>at AC</li> <li>at DC</li> <li>at AC</li> <li>box resistance with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>block reprised according to IEC 81346-2</li> <li>cycical</li> <li>cycical</li> <li>cycical auxiliary distributes</li> <li>cycical auxiliary above sea level maximum</li> <li>abinel temperature</li> <li>during operation</li></ul>	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state165 W• at AC in hot operating state per pole55 W• without load current share typical56 W• of main circult with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value1 000 V• of main circult with degree of pollution 3 rated value500 V• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value690 V• of auxiliary circuit rated value690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at AC10 000 000• at AC10 000 000• at AC10 000 000• at DC500 000• at DC10 000 000• at DC2000 mauxiliary switch block typical05/01/2012• of the contactor with added auxiliary switch block10 000 000• of the contactor with added auxiliary switch block typical2000	<ul> <li>auxiliary switch</li> </ul>	Yes
• at AC in hot operating state per pole55 W• without load current share typical3.6 Winsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value1 000 V• of axiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance6 kV• of main circuit rated value6 kV• of axiliary circuit rated value6 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2 000 m• not the contactor with added auxiliary switch block typical0 0000• of the contactor with added auxiliary switch block2 000 m• not the contactor with added auxiliary switch block2 000 m• not the contactor with added auxiliary switch block2 000 m• of the contactor with added auxiliary switch block2 000 m• of the contactor with added auxiliary switch block2 000 m• of the contactor with added auxiliary switch block0	power loss [W] for rated value of the current	
• without load current share typical3.6 Winsulation voltage0 of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance500 V• of main circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse4.5g / 5 ms. 4.2g / 10 ms• at AC8.5g / 5 ms. 4.2g / 10 ms• at AC13.4g / 5 ms. 6.5g / 10 ms• at AC13.4g / 5 ms. 6.5g / 10 ms• at AC10.000 000• of the contactor with added electronically optimized auxiliary switch block typical10.000 000• of the contactor with added auxiliary switch block typical10.000 000• of be contactor with added auxiliary switch block typical10.000 000• ference code according to EIC 81346-2 Installation altitude at height above sea level maximum e during operation2.000 mambient conditions2.000 m	<ul> <li>at AC in hot operating state</li> </ul>	165 W
insulation voltage <ul> <li>of main circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated</li> <li>Surge voltage resistance</li> <li>of main circuit rated value</li> <li>a kV</li> <li>of auxiliary circuit rated value</li> <li>b kV</li> <li>of auxiliary circuit rated value</li> <li>b kV</li> <li>of auxiliary circuit rated value</li> <li>b kV</li> <li>b k</li></ul>	<ul> <li>at AC in hot operating state per pole</li> </ul>	55 W
of main circuit with degree of pollution 3 rated value1 000 Vsurge voltage resistance500 Vof main circuit rated value8 kVof main circuit rated value8 kVof auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse8.5g / 5 ms, 4.2g / 10 ms• at AC8.5g / 5 ms, 4.2g / 10 ms• at AC8.5g / 5 ms, 6.5g / 10 ms• at AC13.4g / 5 ms, 6.5g / 10 ms• at AC13.4g / 5 ms, 6.5g / 10 ms• at AC10 000 000• at DC10 000 000• at DC10 000 000• of contactor typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 000• freence code according to IEC 81346-2QSubstance Prohibitance (Date)2 000 mambient temperature • during operation2 000 m	<ul> <li>without load current share typical</li> </ul>	3.6 W
• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance • of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse • at AC8,5g / 5 ms, 4,2g / 10 ms• at AC • at DC8,5g / 5 ms, 4,2g / 10 ms• at AC • at DC13,4g / 5 ms, 6,5g / 10 ms• at AC • at DC13,4g / 5 ms, 6,5g / 10 ms• at AC • at DC13,4g / 5 ms, 6,5g / 10 ms• at AC • of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0• of the contactor with added auxiliary swi	insulation voltage	
value         value           surge voltage resistance         8 kV           • of main circuit rated value         8 kV           • of auxiliary circuit rated value         6 kV           maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1         600 V           shock resistance at rectangular impulse         650 V           • at AC         8.5g / 5 ms, 4.2g / 10 ms           • at AC         8.5g / 5 ms, 6.5g / 10 ms           • at AC         13.4g / 5 ms, 6.5g / 10 ms           • at AC         13.4g / 5 ms, 6.5g / 10 ms           • at AC         13.4g / 5 ms, 6.5g / 10 ms           • at AC         10 000 000           • at DC         5000 000           • at DC         10 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         5000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         Q           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         2000 m           installation altitude at height above sea level maximum         2000 m           ambient temperature         eduring operation         2000 m <td><ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul></td> <td>1 000 V</td>	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse5• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	, , ,	500 V
• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse6 kJ• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC3,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse7• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical05/01/2012reference code according to IEC 81346-2QSubstance Prohibitance (Date)2/000 mambient temperature • during operation2/000 m	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse • at AC • at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles) • of contactor typical10 000 000of the contactor with added electronically optimized auxiliary switch block typical10 000 000reference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	<ul> <li>of main circuit rated value</li> </ul>	8 kV
coil and main contacts according to EN 60947-1       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         • at DC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block       10 000 000         • of the contactor with added auxiliary switch block       10 000 000         • of the contactor with added auxiliary switch block       05/01/2012         ADE       2000 m         ambient temperature       2000 m	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical2000 000• of the contactor with added auxiliary switch block typical2 000 m• aubient conditions2 000 m• during operation-25 +60 °C		690 V
at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typicalQ• of the contactor with added auxiliary switch block typicalQ• of the contactor to tel EC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 m• during operation2 000 m	shock resistance at rectangular impulse	
shock resistance with sine pulse       intervention         • at AC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       13,4g / 5 ms, 6,5g / 10 ms         mechanical service life (switching cycles)       intervention         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       000 000         • of the contactor typical       000 000         • of the contactor typical       0000 000         • of the contactor with added auxiliary switch block typical       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor typical       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor with added auxiliary switch block       0000 000         • of the contactor with added auxiliary switch block       00000000         • of the contactor with added	• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical05/01/2012• of the contactor with added auxiliary switch typical2 000 m• of the contactor with added auxiliary switch block typical<	• at DC	8,5g / 5 ms, 4,2g / 10 ms
• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor block typical000 000• of the contactor block typical05/01/2012• ambient conditions2 000 m• during operation-25 +60 °C	shock resistance with sine pulse	
mechanical service life (switching cycles)       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       5 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       05/01/2012         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	• at AC	13,4g / 5 ms, 6,5g / 10 ms
• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	● at DC	13,4g / 5 ms, 6,5g / 10 ms
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>10 000 000</li> <li>10 000 000</li> <li>Interference code according to IEC 81346-2</li> <li>Q</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>O5/01/2012</li> <li>Ambient conditions</li> <li>Installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-25 +60 °C</li> </ul> </li> </ul>	mechanical service life (switching cycles)	
auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	<ul> <li>of contactor typical</li> </ul>	10 000 000
typical     Image: constraint of the second se	, ,	5 000 000
Substance Prohibitance (Date)       05/01/2012         Ambient conditions       installation altitude at height above sea level maximum         ambient temperature       2 000 m         • during operation       -25 +60 °C		10 000 000
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature         • during operation       -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum       2 000 m         ambient temperature <ul> <li>during operation</li> <li>-25 +60 °C</li> </ul>	Substance Prohibitance (Date)	05/01/2012
ambient temperature       • during operation       -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	<ul> <li>during operation</li> </ul>	-25 +60 °C
	during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C	610 A
rated value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C	610 A
rated value	
— up to 690 V at ambient temperature 60 °C	550 A
rated value	
<ul> <li>— up to 1000 V at ambient temperature 40 °C</li> </ul>	200 A
rated value	
— up to 1000 V at ambient temperature 60 °C	200 A
rated value	
• at AC-3	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	430 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	536 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	415 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated	414 A
value	
— up to 400 V for current peak value n=20 rated	414 A
value	
— up to 500 V for current peak value n=20 rated	414 A
value	
— up to 690 V for current peak value n=20 rated	414 A
value	
— up to 1000 V for current peak value n=20 rated	180 A
value	
• at AC-6a	070 4
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	276 A
	276 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	210 A
— up to 500 V for current peak value n=30 rated	276 A
value	
— up to 690 V for current peak value n=30 rated	276 A
value	
— up to 1000 V for current peak value n=30 rated	180 A
value	
minimum cross-section in main circuit at maximum AC-1	370 mm²
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	475 0
• at 400 V rated value	175 A
<ul> <li>at 690 V rated value</li> </ul>	150 A
operational current	

— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
at 1 current path at DC-3 at DC-5	100 A
— at 24 V rated value	400 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	98 kW
at 690 V rated value	148 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	160 000 kVA
<ul> <li>up to 200 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	280 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	350 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	490 000 VA
<ul> <li>up to 690 v for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	490 000 VA 310 000 VA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	110 000 VA
- up to 200 v tor outfort poart value II-ou fateu Value	110 000 V/1

<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	190 000 VA				
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	230 000 VA				
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	330 000 VA				
<ul> <li>up to 1000 V for current peak value n=30 rated</li> </ul>	310 000 VA				
value					
short-time withstand current in cold operating state up to 40 °C					
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	7 484 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	7 484 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	7 484 A; Use minimum cross-section acc. to AC-1 rated value 5 978 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	3 765 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 887 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	1 000 1/h				
• at DC	1 000 1/h				
operating frequency					
• at AC-1 maximum	500 1/h				
• at AC-2 maximum	170 1/h				
• at AC-3 maximum	420 1/h				
• at AC-3e maximum	420 1/h				
• at AC-4 maximum	130 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	96 127 V				
• at 60 Hz rated value	96 127 V				
control supply voltage at DC					
rated value	96 127 V				
type of PLC-control input according to IEC 60947-1	Туре 2				
consumed current at PLC-control input according to	20 mA				
IEC 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				
operating range factor control supply voltage rated					
value of magnet coil at DC					
initial value	0.8				
full-scale value	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				
design of the surge suppressor	with varistor				
apparent pick-up power of magnet coil at AC	750.14				
• at 50 Hz	750 VA				
at 60 Hz	750 VA				
inductive power factor with closing power of the coil	0.9				
● at 50 Hz ● at 60 Hz	0.8				
	0.8				
apparent holding power of magnet coil at AC • at 50 Hz	7 VA				
• at 50 Hz	7 VA 7 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.8				
• at 60 Hz	0.8				
closing power of magnet coil at DC	800 W				
holding power of magnet coil at DC	3.6 W				
closing delay					
• at AC	60 90 ms				
• at DC	60 90 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       Pumber of NC contacts for auxiliary contacts         number of NC contacts for auxiliary contacts       2         instantaneous contact       2         operational current at AC-12 maximum       10 A         operational current at AC-15       6 A         • at 230 V rated value       6 A         • at 300 V rated value       3 A         • at 690 V rated value       1 A         operational current at DC-12	
arcing time10 15 mscontrol version of the switch operating mechanismPLC-IN or Standard A1 - A2 (adjustable)Auxiliary circuitPLC-IN or Standard A1 - A2 (adjustable)Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value6 A• at 400 V rated value2 A• at 600 V rated value10 Aoperational current at DC-12	
Control version of the switch operating mechanismPLC-IN or Standard A1 - A2 (adjustable)Auxiliary circuitPumber of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value3 A• at 600 V rated value1 Aoperational current at DC-1210 A• at 24 V rated value6 A• at 25 V rated value6 A• at 260 V rated value6 A• at 27 V rated value6 A• at 28 V rated value10 A• at 29 V rated value6 A• at 20 V rated value6 A• at 20 V rated value6 A• at 20 V rated value10 A• at 24 V rated value10 A• at 25 V rated value2 A• at 20 V rated value10 A• at 220 V rated value2 A• at 220 V rated value2 A• at 220 V rated value1 A• at 24 V rated value1 A• at 24 V rated value2 A• at 25 V rated value2 A• at 600 V rated value2 A• at 48 V rated val	
Auxiliary circuit       2         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       6 A         • at 230 V rated value       3 A         • at 500 V rated value       2 A         • at 600 V rated value       10 A         operational current at DC-12       10 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 60 V rated value       10 A         operational current at DC-12       10 A         • at 60 V rated value       6 A         • at 10 V rated value       6 A         • at 22 V rated value       2 A         • at 25 V rated value       2 A         • at 220 V rated value       1 A         operational current at DC-13       10 A         • at 24 V rated value       2 A         • at 60 V rated value       2 A         • at 48	
number of NC contacts for auxiliary contacts2instantaneous contact2number of NO contacts for auxiliary contacts2instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value6 A• at 400 V rated value2 A• at 690 V rated value10 Aoperational current at DC-1210 A• at 690 V rated value10 A• at 690 V rated value6 A• at 24 V rated value6 A• at 60 V rated value6 A• at 110 V rated value6 A• at 220 V rated value10 A• at 220 V rated value2 A• at 220 V rated value2 A• at 220 V rated value10 A• at 220 V rated value2 A• at 220 V rated value1 A• at 220 V rated value2 A• at 220 V rated value2 A• at 220 V rated value1 A• at 600 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A<	
instantaneous contactnumber of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value3 A• at 400 V rated value2 A• at 600 V rated value1 Aoperational current at DC-12	
instantaneous contact10 Aoperational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value3 A• at 400 V rated value3 A• at 500 V rated value1 A• at 690 V rated value1 Aoperational current at DC-12	
operational current at AC-15• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 Aoperational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value3 A• at 10 V rated value6 A• at 220 V rated value3 A• at 220 V rated value2 A• at 220 V rated value1 A• at 600 V rated value1 A• at 220 V rated value2 A• at 220 V rated value1 A• at 600 V rated value1 A• at 600 V rated value2 A• at 600 V rated value2 A• at 110 V rated value1 A• at 600 V rated value2 A• at 125 V rated value10 A• at 220 V rated value1 A• at 600 V rated value2 A• at 10 V rated value1 A• at 24 V rated value2 A• at 10 V rated value2 A• at 10 V rated value2 A• at 10 V rated value1 A• at 110 V rated value1 A• at 125 V rated value1 A• at 125 V rated value0.9 A	
.6 A• at 230 V rated value3 A• at 400 V rated value2 A• at 500 V rated value1 Aoperational current at DC-12-• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value3 A• at 10 V rated value3 A• at 220 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value10 A• at 600 V rated value2 A• at 600 V rated value2 A• at 220 V rated value1 A• at 600 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 100 V rated value1 A• at 25 V rated value10 A• at 24 V rated value10 A• at 24 V rated value10 A• at 25 V rated value2 A• at 24 V rated value2 A• at 25 V rated value2 A• at 26 V rated value2 A• at 25 V rated value2 A• at 10 V rated value1 A• at 125 V rated value1 A• at 125 V rated value0.9 A	
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>6 A</li> <li>at 60 V rated value</li> <li>6 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li>at 220 V rated value</li> <li>2 A</li> <li>at 600 V rated value</li> <li>10 A</li> <li>at 220 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 60 V rated value</li> <li>10 A</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 110 V rated value</li> <li>10 A</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 110 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li></li></ul>	
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>6 A</li> <li>at 60 V rated value</li> <li>6 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li>at 125 V rated value</li> <li>2 A</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>10 A</li> <li>at 110 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 60 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 110 V rated value</li> <li>10 A</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 110 V rated value</li> <li>10 A</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 25 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li< th=""><td></td></li<></ul>	
• at 690 V rated value1 Aoperational current at DC-1210 A• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-1310 A• at 60 V rated value2 A• at 48 V rated value2 A• at 60 V rated value10 A• at 60 V rated value2 A• at 48 V rated value1 A• at 60 V rated value2 A• at 10 V rated value2 A• at 10 V rated value2 A• at 110 V rated value2 A• at 125 V rated value0.9 A	
operational current at DC-1210 A• at 24 V rated value6 A• at 48 V rated value6 A• at 60 V rated value3 A• at 110 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 48 V rated value10 A• at 60 V rated value1 A• at 220 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 40 V rated value1 A• at 60 V rated value2 A• at 40 V rated value1 A• at 60 V rated value2 A• at 110 V rated value2 A• at 125 V rated value1 A• at 125 V rated value1 A• at 125 V rated value0.9 A	
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>6 A</li> <li>at 60 V rated value</li> <li>6 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li>at 125 V rated value</li> <li>2 A</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>0.15 A</li> </ul> Operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>1 A</li> <li>at 60 V rated value</li> <li>1 A</li> <li>at 110 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>3 A</li> <li>3 A</li> </ul>	
• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value10 A• at 60 V rated value2 A• at 48 V rated value1 A• at 48 V rated value2 A• at 10 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A	
<ul> <li>at 60 V rated value</li> <li>at 110 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 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> </ul> operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 10 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>1 A</li> <li>0.9 A</li> </ul>	
<ul> <li>at 110 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 600 V rated value</li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>1 A</li> <li>at 110 V rated value</li> <li>0.9 A</li> </ul> </li> </ul>	
<ul> <li>at 125 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>operational current at DC-13</li> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>10 A</li> <li>3 A</li> <li>3 A</li> <li>4 A</li> <l< th=""><td></td></l<></ul>	
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> </ul> Operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 10 V rated value</li> <li>1 A</li> <li>at 125 V rated value</li> <li>0.9 A</li> </ul>	
• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A	
operational current at DC-1310 A• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A	
• at 24 V rated value10 A• at 24 V rated value2 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A	
<ul> <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>0.9 A</li> </ul>	
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> </ul>	
at 110 V rated value     1 A     at 125 V rated value     0.9 A	
• at 125 V rated value 0.9 A	
• 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 3-phase AC motor	
• at 480 V rated value 477 A	
at 600 V rated value     472 A	
yielded mechanical performance [hp]	
for 3-phase AC motor	
- at 200/208 V rated value 150 hp	
- at 220/230 V rated value 200 hp	
— at 575/600 V rated value 500 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: 630 A (690 V, 100 kA)	
	) A (415
for short-circuit protection of the auxiliary switch required     gG: 10 A (500 V, 1 kA)	
Installation/ mounting/ dimensions	
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	nting
fastening method screw fixing	
side-by-side mounting Yes	
height 214 mm	
width 160 mm	
depth 225 mm	
required spacing	
with side-by-side mounting	

— 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					
for main current circuit	Connection bar				
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals				
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals				
of magnet coil	Screw-type terminals				
width of connection bar	25 mm				
thickness of connection bar	6 mm				
diameter of holes	 11 mm				
number of holes	1				
type of connectable conductor cross-sections	-				
<ul> <li>at AWG cables for main contacts</li> </ul>	2/0 500 kcmil				
connectable conductor cross-section for main contacts					
stranded	70 240 mm²				
connectable conductor cross-section for auxiliary contacts	-				
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²				
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²				
type of connectable conductor cross-sections					
<ul> <li>for auxiliary contacts</li> </ul>					
— 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 mm²), 2x (0.75 2.5 mm²)				
<ul> <li>at 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				
B10 value with high demand rate according to SN 31920	1 000 000				
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover				
suitability for use					
<ul> <li>safety-related switching OFF</li> </ul>	Yes				
Certificates/ approvals					
General Product Approval	EMC				
	® FAI 🙆				
CSA CCC					

Subject to change without notice © Copyright Siemens

Functional Safety/Safety of Machinery	Declaration of Cor	nformity	Test Certificates		Marine / Shipping
<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS
Marine / Shipping				other	
Lloyd's Kegister uis	PRS	KMRS	DIVIL COMO	<u>Miscellaneous</u>	<u>Confirmation</u>
other		Railway			
<u>Miscellaneous</u>	Confirmation	Special Test Certific- ate			

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1076-6NF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6NF36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6NF36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1076-6NF36&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1076-6NF36&lang=en</a>

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6NF36/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6NF36&objecttype=14&gridview=view1

last modified:

6/25/2022 🖸