# SIEMENS

## Product data sheet

### 3RA2425-8XF32-2AG2

STAR-DELTA COMB. AC3, 15/18.5KW/400V AC110V, 50/60HZ, 3-POLE SZ S0, SPRING-LOADED TERMINAL ELECTR. AND MECH. INTERLOCK 3NO+3NC INTEGR.



General technical data:		
Product brand name		SIRIUS
product designation		star-delta (wye-delta) contactor assembly 3RA24
Product function		wye-delta motor start-up
Size of the contactor		SO
Protection class IP / on the front		IP20
Degree of pollution		3
Insulation voltage / with degree of pollution 3 / rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
during transport	°C	-55 80
during storage	°C	-55 80
during operating	°C	-25 60
Resistance against shock		12.5g / 5 ms and 7.8g / 10 ms
Impulse voltage resistance / rated value	kV	6
Active power loss / per conductor / typical	W	0.9
Item designation		
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		К
according to DIN EN 61346-2		Q

<ul> <li>of the function module for for vaye-delia circuits included in the scope of supply</li> <li>1/ of the contactor included in the scope of supply</li> <li>2/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor with added audiany switch block / typical</li> <li>3/ of the contactor with added audiany switch block / typical</li> <li>3/ of the contactor with added audiany switch block / typical</li> <li>4/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor with added audiany switch block / typical</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the contactor included in the scope of supply</li> <li>4/ of the co</li></ul>	Manufacturer article number	_	
scope of supplyImage: Control4.1 / d the contactor included in the scope of supplySIRT2026-2AG204.2 / d the contactor included in the scope of supplySIRT2026-2AG203.4 / d the contactor included in the scope of supplySIRT2026-2AG204.1 the contactor included in the scope of supplySIRT2026-2AG204.2 the contactor included in the scope of supplySIRT2026-2AG204.2 the nan contact / typicalSIRT2026-2AG204.2 the nan contact / typicalSIRT2026-2AG204.2 the nan contact / typicalSIRT208-223-2BB24.2 the nan contact / typicalSIRT208-2AG204.2 the contactor with added audilary switch block / typicalSIRT208-2AG204.2 the contactor with added audilary switch block / typicalSIRT208-2AG204.3 the contactor with added audilary switch block / typicalNo5.4 the contactor with added audilary switch block / typicalNo5.4 the contactor with added audilary switch block / typicalNo6.4 the contactor with added audilary switch block / typicalNo6.4 the contactor with added audilary switch block / typicalNo6.4 the contactor with added audilary switch block / typicalNo7.5 the contactor durati frame of the contactor with added audilary switch block / typicalNo7.6 the contactor with added audilary switch block / typicalNo7.6 the contactor durati frame of the contactor with added audilary switch block / typicalNo7.6 the contactor durati frame of the contactor durati frame of the contactor with added audilary switch block / typicalNo7.6 the contactor fra			3RA2816-0EW20
<ul> <li>2/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the contactor included in the scope of supply</li> <li>3/ of the splied assembly kit</li> <li>3/ of the splied assembly kit</li> <li>3/ of the field assembly kit</li> <li>4/ of the contactor / typical</li> <li>5/ of the contactor / typical</li> <li>6/ of the contactor / typical</li> <li>7/ of the supported / AS interface protocol</li> <li>6/ of the contactor / for main contacts</li> <li>6/ of the contactor / rated value</li> <li>6/ of the contactor / rated</li></ul>	-		
<ul> <li>3.1 of the contactor included in the scope of supply</li> <li>3.2 of the RS applied assembly kit</li> <li>3.2 Machazla Joerating cycles as operating time</li> <li>4.1 of the main contacts / typical</li> <li>4.1 of the main contacts / typical</li> <li>4.1 of the contactor / typical</li> <li>4.1 of the contactor / typical</li> <li>4.1 of the contactor / typical</li> <li>5.1 of the contactor / typical</li> <li>5.</li></ul>	<ul> <li>1 / of the contactor included in the scope of supply</li> </ul>		3RT2026-2AG20
• of the RS applied assembly kitImage: Signal S	<ul> <li>2 / of the contactor included in the scope of supply</li> </ul>		<u>3RT2026-2AG20</u>
Mechanical operating cycles as operating timeImage: contacts / typicalImage: contacts / typical• of the main contacts / typical10,000,000• of the contactor / typical10,000,000• 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 / typical10,000,000• of the contactor with added auxiliary switch block / typical10,000,000• Other contactor with added auxiliary switch block / typical10,000,000• Other contactor with added auxiliary switch block / typicalNo• Other contactor with added auxiliary switch block / typicalNo• Other contactor with added auxiliary switch block / typicalNo• Other contactor contacts / typicalNo• Other contactor with added auxiliary switch block / typicalNo• control circuit interface with ID linkNo• Control circuit interface with ID linkNo• Control circuit interface with ID link3• Mumber of poles / for main contacts0Number of NC contacts / for main contacts3• Operating current1• at AC-1 / at 400 VA• at AC-1 / at 400 VA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / rated valueA•	<ul> <li>3 / of the contactor included in the scope of supply</li> </ul>		<u>3RT2024-2AG20</u>
<ul> <li>of the main contacts / typical</li> <li>of the contactor / typical</li> <li>of the contactor / 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 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 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 supported / AS interface protocol</li> <li>No</li> <li>No</li></ul>	<ul> <li>of the RS applied assembly kit</li> </ul>		<u>3RA2923-2BB2</u>
• of the auxiliary contactor / typical10,000,000• of the contactor / typical10,000,000• of the contactor with added auxiliary switch block / typical10,000,000Communication:IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Mechanical operating cycles as operating time		
of the contactor / typical10,000,000of the contactor with added auxiliary switch block / typical10,000,000Communication10,000,000• bus-communicationNo• control circuit interface with IO linkNoProtocol / will be supported / AS interface protocolNoMumber of poles / for main current circuit10Number of NC contacts / for main contacts0Number of NC contacts / for main contacts3Operating voltage / at AC-3 / rated value / maximumVof a do "C ambient temperature / rated valueAof a do "C ambient temperature / rated valueAof C ambient temperature / rated valueAof C and valueAof C A virted valueA <td>of the main contacts / typical</td> <td></td> <td>10,000,000</td>	of the main contacts / typical		10,000,000
of the contactor with added auxiliary switch block / typical10,000,000CommunicationNoProduct functionNoobus-communicationNocontrol circuit interface with IO linkNoProtocol / will be supported / AS Interface protocolNoMumber of poles / for main current circuit3Number of NC contacts / for main contacts0Operating voltage / at AC-3 / rated value / maximumVOperating current•at AC-1 / at 400 VA•at AC-2 / at 400 V / rated valueA•at AC-2 / at 400 V / rated valueA•at AC-3 / at 40 volueA•at AC-3 / at 40 volueA•at AC-3 / at 40 volueA•at AC-1 / at 400 VA•at AC-2 / at 400 V / rated valueA•at AC-3 / at 40 volueA•at 24 V / rated valueA•at 24 V / r	of the auxiliary contacts / typical		10,000,000
Communication:       No         Product function       No         • bus-communication       No         • control circuit interface with IO link       No         Protocol / will be supported / AS interface protocol       No         Main circuit:       3         Number of poles / for main current circuit       3         Number of NC contacts / for main contacts       0         Number of NC contacts / for main contacts       3         Operating voltage / at AC-3 / rated value / maximum       V         • at AC-1 / at 400 V       -         • at AC-1 / at 400 V       A         • at AC-2 / at 400 V / rated value       A         • at AC-2 / at 400 V / rated value       A         • at AC-3 / rated value       A         • at AC / vated value       A </td <td>of the contactor / typical</td> <td></td> <td>10,000,000</td>	of the contactor / typical		10,000,000
Product functionNo• bus-communicationNo• control circuit interface with IO linkNoProtocol / will be supported / AS interface protocolNoMain circuit:NoMumber of poles / for main current circuit3Number of NC contacts / for main contacts0Number of NC contacts / for main contacts3Operating outgag / at AC-3 / rated value / maximumVof contacts / for main contacts690Operating currentA• at AC-1 / at 400 VA• at AC-1 / at 400 VA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-4 / at valueA• at AC-3 / at 400 V / rated valueA• at 24 V / rated valueA• at 110 V / rated valueA<	of the contactor with added auxiliary switch block / typical		10,000,000
bus-communicationNocontrol circuit interface with IO linkNoProtocol / will be supported / AS interface protocolNoMine of poles / for main current circuit3Mumber of poles / for main current circuit1Number of NC contacts / for main contacts0Ourser of poles / for main contacts3Operating voltage / at AC-3 / rated value / maximumVof at AC-1 / at 400 V690ot at 40 °C ambient temperature / rated valueAot at 0°C ambient temperature / rated valueAot at 0°C ambient temperature / rated valueAot at 40 °C ambient temperature / rated value <td< td=""><td>Communication:</td><td></td><td></td></td<>	Communication:		
• control circuit interface with 10 linkNoProtocol / will be supported / AS interface protocolNoMumber of poles / for main current circuitNoNumber of poles / for main current circuit3Number of NC contacts / for main contacts0Number of NO contacts / for main contacts0Operating voltage / at AC-3 / rated value / maximumVof Coperating current0of at AC-1 / at 400 V40· at AC-1 / at 400 VA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at AC-2 / at 400 V / rated valueA· at 24 V /	Product function		
Protocol / will be supported / AS interface protocolNoMain circuit:3Number of poles / for main current circuit3Number of NC contacts / for main contacts0Number of NC contacts / for main contacts3Operating voltage / at AC-3 / rated value / maximumV690Operating current4• at AC-1 / at 400 V4• at AC-1 / at 400 VA• at AC-2 / at dou V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-2 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / at 400 V / rated valueA• at AC-3 / rated valueA• at 110 V / rated valueA• at 24 V / rated valueA• at 110 V / rated valueA• at	bus-communication		No
Main circuit:       3         Number of poles / for main current circuit       3         Number of NC contacts / for main contacts       0         Number of NO contacts / for main contacts       3         Operating voltage / at AC-3 / rated value / maximum       V       690         Operating current       4       690         • at AC-1 / at 400 V       4       35         • at 60 °C ambient temperature / rated value       A       40         • at 60 °C ambient temperature / rated value       A       32         • at AC-2 / at 400 V / rated value       A       32         • at AC-3 / at 400 V / rated value       A       35         • at AC-3 / at 400 V / rated value       A       32         • at AC-3 / at 400 V / rated value       A       35         • at AC-3 / at 400 V / rated value       A       35         • at AC-3 / at 400 V / rated value       A       35         • at 10 V / rated value       A       35         • at 110 V / rated value       A       35         • at 110 V / rated value       A       35         • at 110 V / rated value       A       35         • at 110 V / rated value       A       35         • at 110 V / rated value       A	control circuit interface with IO link		No
Number of poles / for main current circuit3Number of NC contacts / for main contacts0Number of NC contacts / for main contacts3Operating voltage / at AC-3 / rated value / maximumV690Operating currentV690• at AC-1 / at 400 VA40• at AC-1 / at 400 VA35• at AC-2 / at 00 V / rated valueA32• at AC-2 / at 00 V / rated valueA32• at AC-2 / at 400 V / rated valueA35• at AC-2 / at 400 V / rated valueA35• at AC-2 / at 400 V / rated valueA35• at AC-2 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at AC-1 / rated valueA35• at AC-1 / rated valueA35• at AC-3 / rated valueA35• at AC-3 / rated valueA35• at AC-1 / rated valueA35• at 24 V / rated valueA35• with 1 current path / at DC-1	Protocol / will be supported / AS interface protocol	_	No
Number of NC contacts / for main contacts0Number of NO contacts / for main contacts3Operating voltage / at AC-3 / rated value / maximumV690Operating current • at AC-1 / at 400 VV690• at AC-1 / at 400 VA40• at AC °C ambient temperature / rated valueA40• at AC °C ambient temperature / rated valueA35• at AC-2 / at 400 V / rated valueA32• at AC-2 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at 110 V / rated valueA35• with 2 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• at 24 V / rated valueA35• with 3 current paths in series / at DC-1A35• at 110 V / rated valueA35• with 3 current paths in series / at DC-1A35• at 110 V / rated valueA35• at 110 V / rated valueA35• at 110 V / rated value	Main circuit:		
Number of NO contacts / for main contacts3Operating voltage / at AC-3 / rated value / maximumV690Operating current • at AC-1 / at 400 VV690• at AC °C ambient temperature / rated valueA40• at 40 °C ambient temperature / rated valueA35• at 60 °C ambient temperature / rated valueA32• at AC-2 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at 24 V / rated valueA35• with 1 current path / at DC-1	Number of poles / for main current circuit		3
Operating voltage / at AC-3 / rated value / maximumV690Operating current• at AC-1 / at 400 V• at AC °C ambient temperature / rated valueA40• at 40 °C ambient temperature / rated valueA35• at 60 °C ambient temperature / rated valueA32• at AC-2 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA35• at AC-3 / at 400 V / rated valueA35• at 24 V / rated valueA35• with 1 current path / at DC-1	Number of NC contacts / for main contacts	_	0
Operating currentImage: constraint of the second secon	Number of NO contacts / for main contacts	_	3
<ul> <li>at AC-1 / at 400 V</li> <li>at 40 °C ambient temperature / rated value</li> <li>A 40</li> <li>at 60 °C ambient temperature / rated value</li> <li>A 35</li> <li>at AC-2 / at 400 V / rated value</li> <li>A 32</li> <li>at AC-3 / at 400 V / rated value</li> <li>A 17</li> <li>with 1 current path / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>at 110 V / rated value</li> <li>A 35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>at 110 V / rated value</li> <li>A 35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current path in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 3 current paths in series / at DC-1</li> <li>with 4 current path / at DC-3 / at DC-5</li> </ul>	Operating voltage / at AC-3 / rated value / maximum	V	690
• at 40 °C ambient temperature / rated valueA40• at 60 °C ambient temperature / rated valueA35• at AC-2 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA17• with 1 current path / at DC-1• at 24 V / rated valueA35• at 110 V / rated valueA4.5• with 2 current paths in series / at DC-1• at 24 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 3 current paths in series / at DC-1• at 110 V / rated valueA35• with 1 current path / at DC-3 / at DC-5A35	Operating current		
· at 60 °C ambient temperature / rated valueA35· at AC-2 / at 400 V / rated valueA32· at AC-3 / at 400 V / rated valueA17· at AC-3 / at 400 V / rated valueA35· with 1 current path / at DC-1· at 24 V / rated valueA35· at 110 V / rated valueA4.5· with 2 current paths in series / at DC-1· at 24 V / rated valueA35· at 110 V / rated valueA35· with 3 current paths in series / at DC-1· at 24 V / rated valueA35· with 3 current paths in series / at DC-1· at 110 V / rated valueA35· with 1 current path / at DC-3 / at DC-5	• at AC-1 / at 400 V		
• at AC-2 / at 400 V / rated valueA32• at AC-3 / at 400 V / rated valueA17• with 1 current path / at DC-1A35• at 24 V / rated valueA35• at 110 V / rated valueA4.5• with 2 current paths in series / at DC-1A35• at 24 V / rated valueA35• at 24 V / rated valueA35• at 110 V / rated valueA35• with 3 current paths in series / at DC-1A35• at 110 V / rated valueA35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• with 3 current paths in series / at DC-1A35• at 110 V / rated valueA35• with 1 current path / at DC-3 / at DC-5A35	• at 40 °C ambient temperature / rated value	А	40
• at AC-3 / at 400 V / rated valueA17• with 1 current path / at DC-1A35• at 24 V / rated valueA4.5• at 110 V / rated valueA35• with 2 current paths in series / at DC-1A35• at 24 V / rated valueA35• at 24 V / rated valueA35• at 24 V / rated valueA35• at 110 V / rated valueA35• at 110 V / rated valueA35• at 24 V / rated valueA35• at 110 V / rated valueA35• with 1 current path / at DC-3 / at DC-5A35	• at 60 °C ambient temperature / rated value	А	35
<ul> <li>with 1 current path / at DC-1</li> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>A</li> <li>4.5</li> <li>with 2 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A</li> <li>35</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A</li> <li>35</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A</li> <li>35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>with 1 current path / at DC-3 / at DC-5</li> </ul>	• at AC-2 / at 400 V / rated value	А	32
<ul> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>with 2 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A</li> <li>35</li> <li>A</li> <li>35</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A</li> <li>35</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>at 110 V / rated value</li> <li>A</li> <li>35</li> <li>with 1 current path / at DC-3 / at DC-5</li> </ul>	• at AC-3 / at 400 V / rated value	А	17
• at 110 V / rated valueA4.5• with 2 current paths in series / at DC-1A35• at 24 V / rated valueA35• at 110 V / rated valueA35• with 3 current paths in series / at DC-1A35• at 24 V / rated valueA35• at 110 V / rated valueA35• at 110 V / rated valueA35• with 1 current path / at DC-3 / at DC-5A35	• with 1 current path / at DC-1		
<ul> <li>with 2 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>A 40</li> <li></li></ul>	• at 24 V / rated value	А	35
<ul> <li>at 24 V / rated value</li> <li>A 35</li> <li>at 110 V / rated value</li> <li>A 35</li> <li>A 40</li> <li></li></ul>	• at 110 V / rated value	А	4.5
• at 110 V / rated valueA35• with 3 current paths in series / at DC-1A35• at 24 V / rated valueA35• at 110 V / rated valueA35• with 1 current path / at DC-3 / at DC-5CC	• with 2 current paths in series / at DC-1		
<ul> <li>with 3 current paths in series / at DC-1</li> <li>at 24 V / rated value</li> <li>A 35</li> <li>at 110 V / rated value</li> <li>A 35</li> <li>A 35</li> </ul>	• at 24 V / rated value	А	35
<ul> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>with 1 current path / at DC-3 / at DC-5</li> </ul>	• at 110 V / rated value	А	35
• at 110 V / rated value     A     35     • with 1 current path / at DC-3 / at DC-5	• with 3 current paths in series / at DC-1		
• with 1 current path / at DC-3 / at DC-5	• at 24 V / rated value	А	35
	• at 110 V / rated value	А	35
• at 24 V / rated value A 20	• with 1 current path / at DC-3 / at DC-5		
	• at 24 V / rated value	А	20

• at 110 V / rated value	А	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	А	35
• at 110 V / rated value	А	15
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	А	35
• at 110 V / rated value	А	35
Service power		
• at AC-2 / at 400 V / rated value	kW	15
• at AC-3		
• at 400 V / rated value	kW	18.5
• at 500 V / rated value	kW	15
• at 690 V / rated value	kW	19
• at AC-4 / at 400 V / rated value	kW	3.5
Off-load operating frequency	1/h	15
Frequency of operation		
• at AC-1 / according to IEC 60947-6-2 / maximum	1/h	1,000
• at AC-2 / according to IEC 60947-6-2 / maximum	1/h	1,000
• at AC-3 / according to IEC 60947-6-2 / maximum	1/h	1,000
at AC-4 / according to IEC 60947-6-2 / maximum	1/h	300

Design of activation	_	conventional
Type of voltage / of the controlled supply voltage		AC
Control supply voltage frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Control supply voltage / 1		
• at 50 Hz / for AC / rated value	V	110
• at 60 Hz / for AC / rated value	V	110
Operating range factor control supply voltage rated value / of the solenoid		
• at 50 Hz / for AC		0.8 1.1
• at 60 Hz / for AC		0.8 1.1
Apparent pull-in power / of the solenoid / for AC	V-A	65
Apparent holding power / of the solenoid / for AC	V-A	8.5
Inductive power factor		
with the pull-in power of the coil		0.82
		0.25

Product extension / auxiliary switch		No
Contact reliability / of the auxiliary contacts		< 1 error per 100 million operating cycles
Number of NC contacts / for auxiliary contacts		
<ul> <li>instantaneous switching</li> </ul>		3
lagging switching		0
Number of NO contacts / for auxiliary contacts		
<ul> <li>instantaneous switching</li> </ul>		3
leading switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	А	10
• at AC-15		
• at 230 V	А	6
• at 400 V	А	3
• at DC-12		
• at 48 V	А	6
• at 60 V	А	6
• at 110 V	А	3
• at 220 V	А	1
• at DC-13		
• at 24 V	А	10
• at 48 V	А	2
• at 60 V	А	2
• at 110 V	А	1
• at 220 V	А	0.3

#### Short-circuit:

Design of the fuse link	
for short-circuit protection of the main circuit	
<ul> <li>with type of assignment 1 / required</li> </ul>	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A
at type of coordination 2 / required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A

Installation/mounting/dimensions:				
Built in orientation		any		
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail		
Width	mm	135		
Height	mm	114		
Depth	mm	171		

	_	
Distance, to be maintained, to the ranks assembly		
• forwards	mm	6
backwards	mm	0
• upwards	mm	6
• downwards	mm	6
• sidewards	mm	6
Distance, to be maintained, to earthed part		
• forwards	mm	6
backwards	mm	0
• upwards	mm	6
• downwards	mm	6
• sidewards	mm	6
Distance, to be maintained, conductive elements		
• forwards	mm	6
backwards	mm	0
• upwards	mm	6
• downwards	mm	6
• sidewards	mm	6

#### **Connections:**

Design of the electrical connection	
• for main current circuit	spring-loaded terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	spring-loaded terminals
Type of the connectable conductor cross-section	
• for main contacts	
• solid	2x (1 10 mm²)
• stranded	2x (1 10 mm²)
finely stranded	
• with conductor end processing	2x (1 6 mm²)
<ul> <li>without conductor final cutting</li> </ul>	2x (1 6 mm²)
• for AWG conductors / for main contacts	1x (18 8)
for auxiliary contacts	
• solid	2x (0.5 2.5 mm²)
finely stranded	
• with conductor end processing	2x (0.5 1.5 mm²)
<ul> <li>without conductor final cutting</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>for AWG conductors / for auxiliary contacts</li> </ul>	2x (20 14)
Certificates/approvals:	

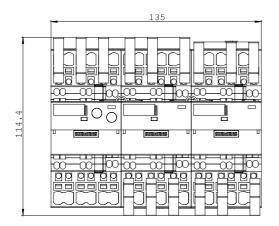
Verification of suitability

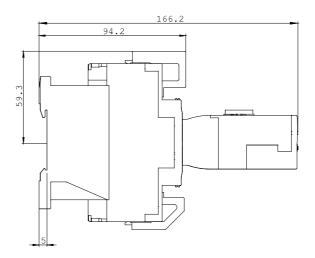
CE / UL / CSA / CCC

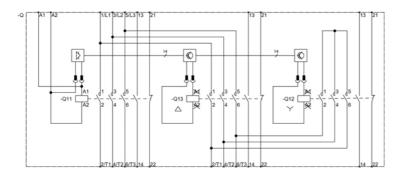
General Product Approval	Test Certificates				
ROSTEST	Manufacturer				
Shipping Approval					
ABS		GL	Lloyd's Kegister Lrs	PRS	RINA
Shipping Approval	other				
RMRS	other				

UL/CSA ratings				
Contact rating designation / for auxiliary contacts / according to UL		A600 / Q600		
Safety:				
B10 value / with high demand rate				
according to SN 31920		1,000,000		
Failure rate (FIT value) / with low demand rate	-			
according to SN 31920	FIT	100		
Proportion of dangerous failures	-			
<ul> <li>with low demand rate / according to SN 31920</li> </ul>	%	40		
<ul> <li>with high demand rate / according to SN 31920</li> </ul>	%	75		
T1 value / for proof test interval or service life	-			
according to IEC 61508	а	20		
Protection against electrical shock		finger-safe		
Further information:				
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs				
Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall				
CAx-Online-Generator http://www.siemens.com/cax				
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RA2425-8XF32-2AG2/all				

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RA2425-8XF32-2AG2







last change:

Oct 24, 2011