## SIEMENS

## Data sheet

## 3RT2037-3AG20



Contactor, AC-3, 30 kW / 400 V, 1 NO + 1 NC, 110 V AC, 50 / 60 Hz, 3-pole, Size S2, Spring-type terminal

product brand name         SIRIUS           product designation         3RT2           Concral tachnical data         Start 2           Size of contactor         S2           ortunal tachnical data         Start 2           Size of contactor         S2           ortunal tachnical data         Start 2           Size of contactor         S2           ortunal tachnical data         Yes           ortunal tachnical start and tack in hot operating state per pole         3.8 W           of the ot operating state per pole         3.8 W           of auxiliary circuit start degree of pollution 3 rated value         690 V           of auxiliary circuit rated value         6 KV           of auxiliary switch bick typical         11.8g / 5 ms, 7.4g / 10 ms           of auxiliary switch bick typical         10 000 000           of ortactor typical         10 000 000           of ortactor typical         10 000	4/13 4/13	
product designation         Power contactor 3RT2           product type designation         3RT2           size of contactor         S2           product extension         No           • function module for communication         No           • function module for communication         No           • function module for communication         No           • at AC in hot operating state         11.4 W           • at AC in hot operating state per pole         3.8 W           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of main circuit rated value	product brand name	SIRIUS
General technical data       S2         size of contactor       S2         product extension       No         • function module for communication       No         • auxiliary switch       Yes         power loss [W] for rated value of the current       • at AC in hot operating state per pole         • at AC in hot operating state per pole       3.8 W         • without load current share typical       17.2 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       6 kV         • of auxiliary circuit rated value       6 kV         • of auxiliary switch block typical       10 & 00 V         • of contactor typical       10 & 000 000         • of the contactor with added electronically optimized       10 & 000 000         • of the contactor with added electronically optimized       <	•	Power contactor
size of contactor     \$2       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     11.4 W       • at AC in hot operating state     11.4 W       • at AC in hot operating state per pole     3.8 W       • without load current share typical     17.2 W       insulation voltage     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit rated value     6 kV       • of auxiliary sitce loosting to EN 60947-1     3400 V       shock resistance with sine pulse     11.8g / 5 ms, 7.4g / 10 ms       • at AC     11.8g / 5 ms, 7.4g / 10 ms       shock resistance with sine pulse     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	product type designation	3RT2
product extension         Image: communication         No           • function module for communication         No         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         Image: communication         No           • at AC in hot operating state         11.4 W         Image: communication         No           • at AC in hot operating state per pole         3.8 W         Image: communication         No           • of main circuit with degree of pollution 3 rated value         690 V         690 V         690 V           • of main circuit rated value         6 KV         690 V         690 V         690 V           • of auxiliary circuit rated value         6 KV         6 KV         6 KV         6 daxiliary circuit rated value         6 KV           • of auxiliary circuit rated value         6 KV         6 KV         6 KV         6 KV           • of auxiliary circuit rated value         6 KV         11.8g / 5 ms, 7.4g / 10 ms         6 KV           • at AC         11.8g / 5 ms, 7.4g / 10 ms         6 contactor typical         6 to 0.00 O         6 contactor typical         7 contacot typical         7 contacot typical	General technical data	
• function module for communicationNo• auxiliary switchYespower loss (W) for rated value of the current• at AC in hot operating state11.4 W• at AC in hot operating state per pole3.8 W• without load current share typical17.2 Winsulation voltage690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit rated value690 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value6 kV• of main circuit rated value11.8g / 5 ms, 7.4g / 10 msshock resistance at rectangular impulse10 000 000• at AC18.5g / 5 ms, 11.6g / 10 msshock resistance with sine pulse10 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 typical2000 mreference code according to EEC 80068-230 	size of contactor	S2
• auxiliary switchYespower loss [W] for rated value of the currentII.4 W• at AC in hot operating state per pole3.8 W• at AC in hot operating state per pole3.8 W• without load current share typical17.2 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value690 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit ated value11.8g / 5 ms, 7.4g / 10 msshock resistance at rectangular impulse5 000 000• at AC10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2 000 m• of the contactor with added auxiliary switch block typical2 000 m<	product extension	
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• at AC in hot operating state per pole3.8 W• without load current share typical17.2 Winsulation voltage60 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary stronge for safe isolation between coil and main contacts according to EN 60947-1shock resistance at rectangular impulse11.8g / 5 ms, 7.4g / 10 ms• at AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (switching cycles)10 000 000• 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 typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2 000 mambient conditions- 25 +60 °C <td>power loss [W] for rated value of the current</td> <td></td>	power loss [W] for rated value of the current	
<ul> <li>without load current share typical</li> <li>insultation voltage</li> <li>of main circuit with degree of pollution 3 rated value</li> <li>of main circuit with degree of pollution 3 rated value</li> <li>a auxiliary circuit with degree of pollution 3 rated value</li> <li>of main circuit rated value</li> <li>of auxiliary circuit rated value</li> <li>of contactor steppical</li> <li>of contactor typical</li> <li>of the contactor with added electronically optimized</li> <li>auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block</li> <li>typical</li> <li>of the contactor with added auxiliary switch block</li> <li>typical</li> <li>of contactor typical</li> <li>of during operation</li> <li>circuit contactor with added auxiliary switch block</li> <li>typical</li> <li>toting operation</li> <li>circuit contactor with added auxiliary switch block</li> <li>toting operation</li> <li>circuit contactor with added auxiliary switch block</li> <li>toting operation</li> <li>circuit contactor with added auxiliary switch block</li> <li>toting storage</li> <li>circuit conta</li></ul>	<ul> <li>at AC in hot operating state</li> </ul>	11.4 W
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<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> <li>surge voltage resistance         <ul> <li>of main circuit rated value</li> <li>of main circuit rated value</li> <li>of auxiliary circuit rated value</li> <li>of the contacts according to EN 60947-1</li> <li>shock resistance with sine pulse</li> <li>at AC</li> <li>at AC</li> <li>of contactor typical</li> <li>of contactor typical</li> <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>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 addee auxiliary switch block typical</li> <li>of the contactor with addee auxiliary switch block typical</li> <li>of the contactor with addee auxiliary switch block typical</li> <li>of</li></ul></li></ul>	insulation voltage	
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• of main circuit rated value6 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 60947-1400 Vshock resistance at rectangular impulse400 V• at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse1• at AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (switching cycles)00 00• 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 typical10 000 000• of the contactor with added auxiliary switch block typical2 000 mmetint conditions2 000 minstallation altitude at height above sea level maximum ambient temperature2 000 m• during operation • during operation-25 +60 °C• during storage-55 +80 °C• relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-3095 %	, , , , , , , , , , , , , , , , , , , ,	690 V
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coil and main contacts according to EN 60947-1shock resistance at rectangular impulse• at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse• at AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (switching cycles)• 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 typical10 000 000reference code according to IEC 81346-2 Substance Prohibitance (Date)QInstallation altitude at height above sea level maximum ambient temperature2 000 m• during operation • during storage-25 +60 °C• during storage relative humidity minimum10 %• during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse18.5g / 5 ms, 11.6g / 10 ms• at AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (switching cycles)10 000 000• 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 typical10 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 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum e during operation • during storage2 000 m• during storage relative humidity minimum maximum2 000 m• during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %		400 V
shock resistance with sine pulse       18.5g / 5 ms, 11.6g / 10 ms         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (switching cycles)       000000         • 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         Ambient conditions       2 000 m         installation altitude at height above sea level maximum aubient temperature       -25 +60 °C         • during operation       -25 +80 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %	shock resistance at rectangular impulse	
• at AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (switching cycles)000000• 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 typical0000 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 block typical2000 000• of the contactor block typical2000 m• ambient conditions2 000 m• during operation • during storage-25 +60 °C -55 +80 °C• during storage-25 +60 °C -55 +80 °C• relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	11.8g / 5 ms, 7.4g / 10 ms
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<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>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2014</li> </ul> Ambient conditions Installation altitude at height above sea level maximum ambient temperature <ul> <li>during operation</li> <li>during storage</li> <li>etative humidity minimum</li> <li>10 %</li> <li>95 %</li> </ul>	mechanical service life (switching cycles)	
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Substance Prohibitance (Date)       10/01/2014         Ambient conditions       2 000 m         installation altitude at height above sea level maximum ambient temperature       2 000 m         • during operation       -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 %		10 000 000
Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -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 %	reference code according to IEC 81346-2	Q
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ambient temperature       -25 +60 °C         • during operation       -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 %	Ambient conditions	
• during operation       -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 %	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> </ul>	ambient temperature	
relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       95 %	<ul> <li>during operation</li> </ul>	
relative humidity at 55 °C according to IEC 60068-2-30 95 %	<ul> <li>during storage</li> </ul>	
maximum	relative humidity minimum	
Main circuit		95 %
	Main circuit	

number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C</li> </ul>	80 A
rated value	
<ul> <li>at AC-1</li> <li>up to 690 V at ambient temperature 40 °C</li> </ul>	80 A
rated value	00 A
— up to 690 V at ambient temperature 60 °C	70 A
rated value	1011
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-3e	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	55 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	70.4 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	53.9 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated	56.9 A
value	
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	56.9 A
— up to 500 V for current peak value n=20 rated value	56.9 A
— up to 690 V for current peak value n=20 rated value	47 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated</li> </ul>	38 A
value	00 A
— up to 400 V for current peak value n=30 rated value	38 A
— up to 500 V for current peak value n=30 rated value	38 A
— up to 690 V for current peak value n=30 rated value	38 A
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	28 A
<ul> <li>at 690 V rated value</li> </ul>	22 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A

— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
• with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
• with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	20 MM
• at AC-2 at 400 V rated value	30 kW
• at AC-3	
— at 230 V rated value — at 400 V rated value	18.5 kW 30 kW
	30 kW
— at 500 V rated value — at 690 V rated value	37 kW
• at AC-3e	57 KVV
- at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
operating power for approx. 200000 operating cycles	OF RW
at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	14.7 kW
<ul> <li>at 690 V rated value</li> </ul>	20 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	22.6 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	39.4 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	49.2 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	56.1 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	15.1 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	26.2 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	32.8 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	45.3 kVA
short-time withstand current in cold operating state	
<ul> <li>up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> </ul>	1 055 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 1's switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> </ul>	730 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> </ul>	520 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> </ul>	336 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 50 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>	272 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	700 1/h
• at AC-3e maximum	700 1/h
• at AC-4 maximum	200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	110 V
at 60 Hz rated value	110 V

operation of a single volume value         0.81.1           • at 00 h2         0.81.1           operating bekup power of magnet coll at AC         100 h2           • at 00 h2         100 h2           • at 00 h2         0.81.1           • at 00 h2         0.81           • at 00 h2         0.81           • at 00 h2         0.80           • at 00 h2         0.85 VA           inductive power factor with the holding power of the coll         0.80           • at 00 h2         0.38           • at 00 h2         080 m5           • at 02 V ratio value         1080 m5           • at 02 V ratio value	operating range factor control supply voltage rated	
• at 00 hiz         0.811           • at 00 hiz         0.851.1           • at 00 hiz         188 VA           • at 00 hiz         198 VA           • at 00 hiz         0.90           • at 00 hiz         0.30		
• all 00 H20.851.1• apparent plokup power fragencial at C210 VA• all 00 H2180 VA• all 00 H20.65• all 00 H20.80• all 00 H2 <t< th=""><th>-</th><th>0.8 1.1</th></t<>	-	0.8 1.1
• at 50 Hz         210 VA           • at 50 Hz         188 VA           Inductive power factor with closing power of the coll         0.69           • at 60 Hz         0.65           • at 60 Hz         0.65           • at 60 Hz         0.65           • at 60 Hz         0.30           • at 60 Hz         0.38           • at 60 Hz         0.39           • at 60 Hz         0.30           • at 60 Hz         0.39           • at 60 Hz         0.39           • at 60 Hz         0.39           • at 60 Hz         0 80 ms           • at 60 Hz         0 80 ms           • at 60 Hz         0 80 ms           • at 60 V ratio value voltation soutiation voltatis         1           • at 60 V ratio value voltation	• at 60 Hz	0.85 1.1
• at 50 Hz         210 VA           • at 50 Hz         188 VA           Inductive power factor with closing power of the coll         0.69           • at 60 Hz         0.65           • at 60 Hz         0.65           • at 60 Hz         0.65           • at 60 Hz         0.30           • at 60 Hz         0.38           • at 60 Hz         0.39           • at 60 Hz         0.30           • at 60 Hz         0.39           • at 60 Hz         0.39           • at 60 Hz         0.39           • at 60 Hz         0 80 ms           • at 60 Hz         0 80 ms           • at 60 Hz         0 80 ms           • at 60 V ratio value voltation soutiation voltatis         1           • at 60 V ratio value voltation	apparent pick-up power of magnet coil at AC	
indicative power factor with closing power of the coll <ul> <li>at 50 Hz</li> <li>0.65</li> <li>apparent holding power of magnet coll at AC</li> <li>at 50 Hz</li> <li>0.65 VA</li> <li>inductive power factor with the holding power of the coll</li> <li>at 50 Hz</li> <li>0.50 VA</li> <li>inductive power factor with the holding power of the coll</li> <li>at 50 Hz</li> <li>0.38</li> <li>at 80 Hz</li> <li>0.39</li> <li>control to power factor with the holding power of the coll</li> <li>at 50 Hz</li> <li>0.38 O</li> <li>at 60 Hz</li> <li>0.39</li> <li>control to power factor with the holding power of the coll</li> <li>at 60 Hz</li> <li>0.39</li> <li>at 60 Hz</li> <li>0.39</li> <li>0.30 Ms</li> <li>at 60 Hz</li> <li>0.30 Ms</li> <li>at 60 Hz</li> <li>0.30 Ms</li> <li>0.30 Ms</li> <li>0.30 Ms</li> <li>0.30 Ms</li> <li>0.30 Ms</li> <li>0.30 Ms</li></ul>		210 VA
• at 50 Hz     0.58       apparent holding power of magnet coll at AC     • at 50 Hz       • at 50 Hz     12 VA       • at 50 Hz     16 5 VA       inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power of the coll inductive power factor with the holding power hald with the holding powerelater with the holding power ha	• at 60 Hz	188 VA
• at 50 Hz         0.65           apprent holding power of magnet coil at AC         17.2 VA           • at 60 Hz         16.5 VA           • at 60 Hz         0.36           • at 60 Hz         0.38           • at 60 Hz         0.39           • cleaing data         0.39           • at 60 Hz         0.39           • at 70 Hz         0.38           • at 70 Hz         0.38           • at 70 Hz         0.39           • at 70 Hz         0.30 ms           • at 70 Hz         10 80 ms           • at 70 Hz         10 80 ms           • at 70 Hz         10 20 ms           • at 70 Valids for auxiliary contacts         1           • instantameous contact         1           • at 200 V rated value         10 A           • at 800 V rated value         2 A           • at 800 V rated value         2 A           • at 800 V rated value         2 A           • at 800 V rated value         0 A           • at	inductive power factor with closing power of the coil	
append to the proper of magnet coil at AC         if Z VA           at 60 Hz         17.2 VA           at 60 Hz         16.5 VA           Inductive power factor with the holding power of the coil         0.36           at 60 Hz         0.38           at 60 Hz         0.38           at 60 Hz         0.39           closing delay         -           - at AC         0 18 ms           arcing time         10 20 ms           control version of the switch operating mechanism         Standard A1 - A2           Availary circuit         1           number of NC contacts for auxilary contacts         1           instantianeous contact         1           operational current at AC-12 maximum         10 A           at 300 V rated value         1 A           operational current at AC-12 maximum         10 A           at 300 V rated value	• at 50 Hz	0.69
at 50 Hz       172 VA         at 80 Hz       16.5 VA         inductive power factor with the holding power of the coll       0.38         at 60 Hz       0.38         cisting delay       0.39         at AC       0.99         opening delay       0.38         at AC       10 80 ms         opening delay       0.38         at AC       10 18 ms         arcing time       20 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxiliary circuit       10 18 ms         instantaneous contacts       1         instantaneous contact       1         operational current at AC-15       1         at 400 V rated value       3A         at 400 V rated value       3A         at 400 V rated value       3A         at 800 V rated value       6A         at 400 V rated v	• at 60 Hz	0.65
• at 60 Hz16.5 VA• at 50 Hz0.36• at 60 Hz0.39closing dolay0.39• at AC0.30 ms• at AC0.18 ms• at AC10 80 ms• at AC10 80 msopining dolay10 80 ms• at AC10 80 ms• at AC10 80 msopting dolay10 80 ms• at AC10 80 ms• at AC10 80 msopting dolay10 80 ms• at AC10 80 ms• at AC10 80 msopting dolay10 A• at AC10 Aoperational current at AC-151• at 300 V rated value10 Aoperational current at AC-151• at 300 V rated value10 A• at 400 V rated value6 A• at 400 V rated value6 A• at 400 V rated value10 A• at 600 V rated value10 A• at 600 V rated value10 A• at 800 V rated value10 A• at 800 V rated value10 A• at	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coll	● at 50 Hz	17.2 VA
coli       • at 60 Hz       0.36         • at 60 Hz       0.38         closing delay       • at AC         • at AC       10 80 ms         opening delay       • 10 18 ms         • at AC       10 18 ms         arcing time       10 18 ms         control version of the switch operating mechanism       Status         Auxiliary circuit       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-156       -         • at 200 V rated value       10 A         • at 400 V rated value       10 A         • at 40 V rated value       10 A         • at 60 V rated value       10 A         • at 60 V rated value       10 A         • at 200 V rated value       10 A <tr< th=""><th></th><th>16.5 VA</th></tr<>		16.5 VA
• at 50 Hz         0.38           • at 80 Hz         0.39           • closing delay         080 ms           • at AC         1080 ms           • at AC         1		
• al 60 Hz         0.39           • al AC         10 80 ms           • al AC         10 80 ms           • al AC         10 18 ms           • al AC         10 18 ms           arcing time         10 18 ms           control version of the switch operating mechanism         Status           Auxiliary circuit         1           number of NC contacts for auxiliary contacts         1           instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         -           • at 200 V rated value         10 A           • at 400 V rated value         10 A           • at 600 V rated value         10 A           • at 600 V rated value         10 A           • at 60 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         10 A           • at 100 V rated value         10 A           • at 220 V rated value         0 A           • at 100 V rated value         0 A <t< th=""><th></th><th>0.36</th></t<>		0.36
closing delay		
• et AC 1080 ms opening delay • et AC 1018 ms arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Trumber of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • et 230 V rated value • at 230 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 80		
• atAC     10 18 ms       arcing time     10 20 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 230 V rated value     2 A       • at 600 V rated value     2 A       • at 600 V rated value     2 A       • at 600 V rated value     2 A       • at 24 V rated value     10 A       • at 250 V rated value     2 A       • at 600 V rated value     2 A       • at 600 V rated value     2 A       • at 60 V rated value     10 A       • at 24 V rated value     10 A       • at 250 V rated value     10 A       • at 260 V rated value     10 A       • at 27 V rated value     10 A       • at 28 V rated value     10 A       • at 29 V rated value     10 A       • at 29 V rated value     10 A       • at 20 V rated value     10 A       • at 20 V rated value     2 A       • at 20 V rated value     10 A       • at 20 V rated value     10 A       • at 210 V rated value     10 A		10 80 ms
acting time     10 20 ms       control version of the switch operating mechanism     Standard A1 - A2       Availary Circuit     I       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       eit 300 V rated value     3 A       eit 600 V rated value     2 A       eit 600 V rated value     6 A       eit 610 V rated value     7 A       eit 610 V rated value     7 A       eit 610 V rated value     10 A       eit 600 V rated value     2 A       eit 600 V rated value     10 A	opening delay	
control version of the switch operating mechanism         Standard A1 - A2           Auxiliary cricuit         I           number of NC contacts for auxiliary contacts         1           instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         I           e at 230 V rated value         2 A           e at 600 V rated value         2 A           e at 600 V rated value         2 A           e at 600 V rated value         2 A           e at 240 V rated value         0 A           e at 24 V rated value         0 A           e at 24 V rated value         0 A           e at 24 V rated value         0 A           e at 20 V rated value         0 A           e at 24 V rated value         0 A           e at 20 V rated value         0 A<	• at AC	10 18 ms
Auxiliary circuit         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       -         • at 230 V rated value       10 A         • at 200 V rated value       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • at 60 V rated value       6 A         • at 60 V rated value       10 A         • at 60 V rated value       0.3 A         • at 60 V rated value       0.3 A         • at 60 V rated value       0.1 A         contact reliability of	arcing time	10 20 ms
number of NC contacts for auxiliary contacts       1         instantaneous contact       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 200 V rated value       3 A         • at 600 V rated value       1 A         operational current at DC-12       0 A         • at 640 V rated value       6 A         • at 72 V rated value       6 A         • at 620 V rated value       2 A         • at 220 V rated value       1 A         operational current at DC-13       0 A         • at 220 V rated value       2 A         • at 250 V rated value       2 A         • at 600 V rated value       2 A         • at 600 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       0 A         • at 60 V rated value       0 A	control version of the switch operating mechanism	Standard A1 - A2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 200 V rated value • at 300 V rated value • at 690 V rated value • at 690 V rated value • at 42 V rated value • at 42 V rated value • at 42 V rated value • at 600 V rated value • at 600 V rated value • at 200 V rated	Auxiliary circuit	
instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum of 230 V rated value at 230 V rated value at 230 V rated value at 600 V rated value at 725 V rated value at 600 V rated value at 725 V rated value at 720 V rated value at	number of NC contacts for auxiliary contacts	1
instantaneous contact operational current at AC-15 • at 230 V rated value 3A • at 500 V rated value 3A • at 500 V rated value 3A • at 600 V rated value 4A • at 600 V rated value 1A operational current at DC-12 • at 24 V rated value 6A • at 60 V rated value 6A • at 60 V rated value 8A • at 70 V rated value 7A • at 72 V		
operational current at AC-12 maximum10 Aoperational current at AC-15I• at 200 V rated value10 A• at 400 V rated value3 A• at 600 V rated value2 A• at 690 V rated value1 Aoperational current at DC-12-• at 24 V rated value6 A• at 480 V rated value6 A• at 480 V rated value6 A• at 480 V rated value1 A• at 250 V rated value6 A• at 250 V rated value2 A• at 250 V rated value1 A• at 250 V rated value2 A• at 250 V rated value1 A• at 250 V rated value2 A• at 250 V rated value10 A• at 260 V rated value10 A• at 600 V rated value2 A• at 600 V rated value2 A• at 600 V rated value1 A• at 600 V rated value0 9 A• at 250 V rated value0.3 A• at 260 V rated value0.3 A• at 260 V rated value0.3 A• at 260 V rated value5 A• at 800 V rated value5 A• at 800 V rated value5 A• at 800 V rated value1 faulty switching per 100 million (17 V, 1 mA)UUCSA ratings		1
operational current at AC-15         Image: operational current at AC-15           • at 230 V rated value         3 A           • at 500 V rated value         2 A           • at 690 V rated value         1 A           operational current at DC-12         Image: operational current at DC-12           • at 24 V rated value         10 A           • at 60 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         6 A           • at 25 V rated value         1 A           • at 20 V rated value         1 A           • at 20 V rated value         2 A           • at 20 V rated value         1 A           • at 60 V rated value         2 A           • at 40 V rated value         2 A           • at 41 V rated value         1 A           • at 20 V rated value         0 A           • at 41 V rated value         0 A           • at 42 V rated value         0 A           • at 60 V rated value         0 A           • at 20 V rated value         0 A <th></th> <th>40.4</th>		40.4
• at 230 V rated value       10 A         • at 400 V rated value       3 A         • at 690 V rated value       2 A         • at 690 V rated value       1 A         operational current at DC-12		10 A
• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 Aoporational current at DC-12• at 24 V rated value10 A• at 24 V rated value6 A• at 60 V rated value6 A• at 60 V rated value3 A• at 10 V rated value1 A• at 25 V rated value2 A• at 220 V rated value1 A• at 20 V rated value0.15 Aoporational current at DC-13• at 60 V rated value2 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.15 Aoporational current at DC-13• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value2 A• at 20 V rated value0.9 A• at 210 V rated value0.3 A• at 220 V rated value0.14• at 600 V rated value0.14• at 600 V rated value0.14• at 600 V rated value0.15 A• ot 000 V rated value0.14• at 220 V rated value0.14• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value5 hp• at 200208 V rated value20 hp• at	-	10.4
<ul> <li>at 500 V rated value</li> <li>2 A</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>10 A</li> <li>at 48 V rated value</li> <li>6 A</li> <li>at 40 V rated value</li> <li>6 A</li> <li>at 10 V rated value</li> <li>2 A</li> <li>at 60 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>3 A</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 200 V rated value</li> <li>1 A</li> <li>at 24 V rated value</li> <li>1 A</li> <li>at 200 V rated value</li> <li>1 A</li> <li>at 24 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>3 A</li> <li>at 10 V rated value</li> <li>3 A</li> <li>at 10 V rated value</li> <li>3 A</li> <li>at 10 V rated value</li> <li>3 A</li> <li>at 220 V rated value</li> <li>3 A</li> <li>at 20 V rated value</li> <li>3 A</li> <li>at 20 V rated value</li> <li>3 A</li> <li>at 20 V rated value</li> <li>1 A</li> <li>at 20 V rated value</li> <li>1 A</li> <li>bill/oact arrent (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 hp</li> <li>at 200 V rated value</li> <li>10 hp</li> <li>for 3-pha</li></ul>		
• at 690 V rated value         1 A           operational current at DC-12		
operational current at DC-12• 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-13		
• at 24 V rated value10 A• at 48 V rated value6 A• at 46 V rated value6 A• at 60 V rated value3 A• at 110 V rated value2 A• at 220 V rated value1 A• at 260 V rated value0.15 Aoperational current at DC-13• at 80 V rated value2 A• at 80 V rated value2 A• at 80 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 110 V rated value0.3 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value5 A• at 600 V rated value52 A• at 600 V rated value52 A• at 600 V rated value10 hp• for single-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value10 hp• for 3-phase AC motor at 200/208 V rated value20 hp- at 460/480 V rated value50 hp		
• at 48 V rated value         6 A           • at 60 V rated value         6 A           • at 10 V rated value         3 A           • at 125 V rated value         1 A           • at 220 V rated value         0.15 A           operational current at DC-13         0           • at 24 V rated value         0 A           • at 48 V rated value         2 A           • at 48 V rated value         0 A           • at 48 V rated value         2 A           • at 48 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         0 A           • at 22 V rated value         0.9 A           • at 22 V rated value         0.3 A           • at 20 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           ULCSA ratings         52 A           yielded mechanical performance [hp]         -           • at 480 V rated value         65 A           • at 600 V rated value         5 hp           • at 480 V rated value         10 hp           • for single-phase AC motor         -           • at 480 V rated value         5 hp           • at 200/208 V rated value <th>-</th> <th>10 A</th>	-	10 A
• at 110 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-13-• at 24 V rated value10 A• at 48 V rated value2 A• at 40 V rated value1 A• at 40 V rated value2 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 220 V rated value0.1 A• at 600 V rated value52 A• at 600 V rated value52 A• at 600 V rated value52 A• at 300 V rated value50 hp- at 200 V rated value50 hp		
• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value10 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 125 V rated value0.9 A• at 220 V rated value0.1 A• at 60 V rated value0.5 A• at 60 V rated value0.1 A• at 60 V rated value0.5 A• at 60 V rated value0.5 A• at 60 V rated value0.1 A• at 60 V rated value0.5 A• at 60 V rated value0.5 A• at 60 V rated value0.5 A• at 480 V rated value65 A• at 600 V rated value52 A• juelded mechanical performance [hp]-• for single-phase AC motor at 110/120 V rated value5 hp- at 230 V rated value10 hp• for 3-phase AC motor at 200/208 V rated value20 hp- at 460/480 V rated value50 hp	<ul> <li>at 60 V rated value</li> </ul>	6 A
• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13	<ul> <li>at 110 V rated value</li> </ul>	3 A
e at 600 V rated value0.15 Åoperational current at DC-1310 Å• at 24 V rated value10 Å• at 48 V rated value2 Å• at 48 V rated value2 Å• at 60 V rated value1 Å• at 110 V rated value0.9 Å• at 25 V rated value0.3 Å• at 600 V rated value0.1 Å• at 600 V rated value65 Å• at 480 V rated value65 Å• at 600 V rated value52 Å• at 480 V rated value52 Å• at 200 V rated value50 Å• at 200 V rated value20 Å• at 200 V rated value20 Å• at 200 V rated value20 Åp- at 200/208 V rated value20 hp- at 200/208 V rated value20 hp- at 200/208 V rated value20 hp- at 460/480 V rated value50 hp	<ul> <li>at 125 V rated value</li> </ul>	2 A
operational current at DC-13Image: constraint of the second s	<ul> <li>at 220 V rated value</li> </ul>	1 A
• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value65 A• at 600 V rated value52 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value20 hp- at 200/208 V rated value20 hp- at 200/208 V rated value20 hp- at 460/480 V rated value50 hp	<ul> <li>at 600 V rated value</li> </ul>	0.15 A
<ul> <li>at 48 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 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>tull-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>65 A</li> <li>at 600 V rated value</li> <li>52 A</li> </ul> </li> <li>tyielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 10/120 V rated value</li> <li>5 hp</li> <li>at 230 V rated value</li> <li>10 hp</li> <li>for 3-phase AC motor</li> <li>at 200 V rated value</li> <li>5 hp</li> <li>at 200 V rated value</li> <li>5 hp</li> <li>at 200 V rated value</li> <li>5 hp</li> <li>at 200/208 V rated value</li> <li>10 hp</li> </ul> </li> </ul>	operational current at DC-13	
<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>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>65 A</li> <li>at 600 V rated value</li> <li>52 A</li> </ul> </li> <li>yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>5 hp</li> <li>at 230 V rated value</li> <li>10 hp</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>20 hp</li> <li>at 220/230 V rated value</li> <li>20 hp</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul> </li> </ul>	<ul> <li>at 24 V rated value</li> </ul>	
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>65 A</li> <li>at 600 V rated value</li> <li>52 A</li> </ul> <li>yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>5 hp</li> <li>at 230 V rated value</li> <li>10 hp</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>20 hp</li> <li>at 220/230 V rated value</li> <li>20 hp</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul> </li>		
<ul> <li>e at 125 V rated value</li> <li>e at 220 V rated value</li> <li>e at 600 V rated value</li> <li>e at 600 V rated value</li> <li>e at 600 V rated value</li> <li>f auxiliary contacts</li> <li>f aulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings   full-load current (FLA) for 3-phase AC motor   e at 480 V rated value   65 A   e at 600 V rated value   65 A   e at 600 V rated value   52 A   yielded mechanical performance [hp]   e for single-phase AC motor   - at 110/120 V rated value   5 hp   - at 230 V rated value   10 hp   e for 3-phase AC motor   - at 200/208 V rated value   20 hp   - at 220/230 V rated value   20 hp   - at 460/480 V rated value   50 hp		
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UL/CSA ratings         full-load current (FLA) for 3-phase AC motor       65 A         • at 480 V rated value       65 A         • at 600 V rated value       52 A         yielded mechanical performance [hp]         • for single-phase AC motor       - at 110/120 V rated value         - at 230 V rated value       5 hp         - at 230 V rated value       10 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 200/208 V rated value       20 hp         - at 220/230 V rated value       20 hp         - at 460/480 V rated value       50 hp		
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yielded mechanical performance [hp]Image: Second Secon		
<ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>5 hp</li> <li>at 230 V rated value</li> <li>10 hp</li> <li>for 3-phase AC motor</li> <li>at 220/208 V rated value</li> <li>20 hp</li> <li>at 220/230 V rated value</li> <li>20 hp</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul>		
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		5 hp
<ul> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul>		
		20 hp
	— at 220/230 V rated value	
- at 575/600 V rated value 50 hp	— at 460/480 V rated value	50 hp
	— at 575/600 V rated value	50 hp

contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
for short-circuit protection of the main circuit			
— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)		
— with type of assignment 2 required	gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted		
fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN		
<ul> <li>side-by-side mounting</li> </ul>	60715 Yes		
	114 mm		
height	55 mm		
width			
depth	130 mm		
required spacing			
with side-by-side mounting	10		
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
<ul> <li>for live parts</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
<ul> <li>for main current circuit</li> </ul>	screw-type terminals		
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals		
<ul> <li>of magnet coil</li> </ul>	Spring-type terminals		
type of connectable conductor cross-sections			
<ul> <li>for main contacts</li> </ul>			
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)		
at AWG cables for main contacts	2x (18 2), 1x (18 1)		
connectable conductor cross-section for main contacts			
<ul> <li>finely stranded with core end processing</li> </ul>	1 35 mm²		
connectable conductor cross-section for auxiliary contacts			
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 1.5 mm²		
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— solid or stranded	2x (0.5 2.5 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )		
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 14)		
AWG number as coded connectable conductor cross section			
<ul> <li>for main contacts</li> </ul>	18 1		
<ul> <li>for auxiliary contacts</li> </ul>	20 14		

Safety related data					
product function					
•	according to IEC 60947	7-4-1	Yes		
	n operation according		No		
B10 value with high d	lemand rate according	to SN 31920	1 000 000		
proportion of dange	-				
<ul> <li>with low deman</li> </ul>	nd rate according to SN	31920	40 %		
<ul> <li>with high dema</li> </ul>	nd rate according to S	N 31920	73 %		
failure rate [FIT] with 31920	low demand rate acco	rding to SN	100 FIT		
T1 value for proof tes IEC 61508	t interval or service life	e according to	20 y		
protection class IP o 60529	on the front according	g to IEC	IP20		
	the front according t	to IEC 60529	finger-safe, for vertic	al contact from the front	
suitability for use					
<ul> <li>safety-related s</li> </ul>	witching OFF		Yes		
Certificates/ approval	s				
General Product Ap	oproval				EMC
		<u>Confirmatior</u>	<u>n KC</u>	EHC	RCM
Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certific	ates	Marine / Shipping
<u>Type Examination</u> <u>Certificate</u>	C E EG-Konf.	UK CA	<u>Special Test C</u> ate	ertific- <u>Type Test Certific-</u> ates/Test Report	ABS
Marine / Shipping					
BUREAU		Lloyds Register urs	PRS	RINA	RMRS
other		Railway	Dangerous (	Good	
Confirmation	Confirmation	Vibration and SI	nock <u>Transport Info</u> tion	orma-	

 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=3RT2037-3AG20

 Cax online generator

 http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2037-3AG20

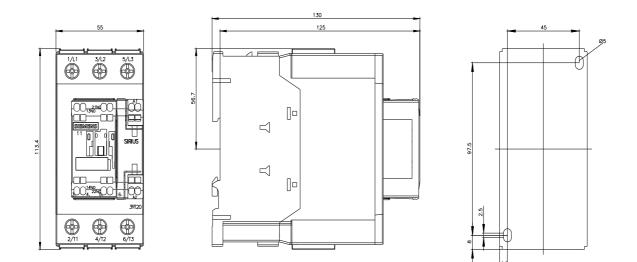
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

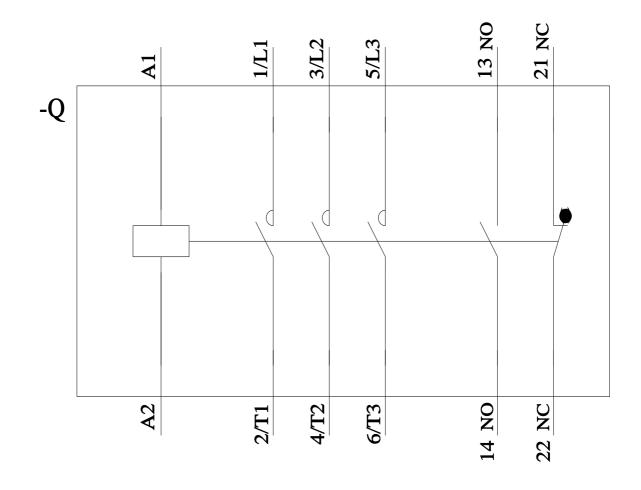
 https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3AG20

 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

 http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2037-3AG20&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3AG20/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2037-3AG20&objecttype=14&gridview=view1





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