## SIEMENS

## Data sheet

## 3RV2411-1FA15



Circuit breaker size S00 for transformer protection A-release 3.5...5 A N-release 104 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC  $\,$ 

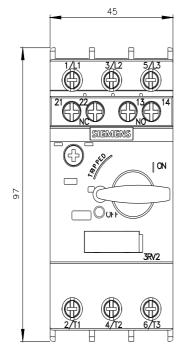
product brand name         SIRIUS           product designation         Circuit breaker           design of the product         For transformer protection           product type designation         3RV2           General technical data         500           size of contactor can be combined company-specific product extension auxiliary switch         S00           pwer loss [W] for rated value of the current         4 AC in hot operating state           • at AC in hot operating state per pole         2.4 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         6 kV           shock resistance according to IEC 60068-2-27         25g / 11 ms           mechanical service life (switching cycles)         100 000           • of the main contacts typical         100 000           • of auxiliary contacts typical         100 000           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date) <t< th=""><th colspan="6">472 473</th></t<>	472 473					
design of the product product type designation     For transformer protection       3RV2     3RV2       Ceneral technical data     500       size of the circuit-breaker     500       size of the circuit-breaker     500, S0       power loss [W] for rated value of the current     610, S0       • at AC in hot operating state per pole     2.4 W       insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value     6 kV       schock resistance according to IEC 60068-2:72     25g / 11 ms       mechanical service life (switching cycles)     100 000       • of the main contacts typical     100 000       • of auxiliary contacts typical     100 000       • of using operation     -20 +60 °C       • during operation     -20 +80 °C       • during transport     -50 +80 °C       • during transport     -50 +80 °C       • during transport     -50 +80 °C       • during toreage     -50 +80 °C </th <th>product brand name</th> <th>SIRIUS</th>	product brand name	SIRIUS				
design of the product product type designation     For transformer protection       3RV2     3RV2       Ceneral technical data     500       size of the circuit-breaker     500       size of the circuit-breaker     500, S0       power loss [W] for rated value of the current     • at AC in hot operating state per pole     2.4 W       • at AC in hot operating state per pole     2.4 W     690 V       insulation voltage with degree of pollution 3 at AC rated value     6 kV     690 V       surge voltage resistance rated value     6 kV     690 V       surge voltage resistance rated value     6 kV     690 V       surge voltage resistance rated value     6 kV     690 V       surge voltage resistance rated value     6 kV     600 V       surge voltage resistance rated value     6 kV     600 V       of the main contacts typical     100 000     6       • of auxiliary contacts typical     100 000     6       • of auxiliary contacts typical     100 000     6       reference code according to IEC 81346-2     Q     Q       Substance Prohibitance (Date)     100/1/2009     7       Ambient conditions     2000 m     7       ambient temperature     -20 +60 °C     -       • during tarsport     -50 +80 °C     -       • during tar	product designation	Circuit breaker				
product type designation         3RV2           General technical data         size of contactor can be combined company-specific product extension auxiliary switch         S00           prover loss [W] for rated value of the current         6         S00           • at AC in hot operating state         7.25 W         -           • at AC in hot operating state per pole         2.4 W         -           insulation voltage with degree of pollution 3 at AC rated value         6 kV         -           surge voltage resistance rated value         6 kV         -           shock resistance according to IEC 60068-2-27         25g / 11 ms         -           mechanical service life (switching cycles)         -         -         -           • of the main contacts typical         100 000         -         -         -           • of auxiliary contacts typical         100 000         -         -         -         -           • of the main contacts typical         100 000         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	design of the product	For transformer protection				
General technical data     S00       size of the circuit-breaker     S00, S0       product extension auxiliary switch     Yes       power loss [W] for rated value of the current     • at AC in hot operating state     7.25 W       • at AC in hot operating state per pole     2.4 W       insulation voltage with degree of pollution 3 at AC rated     690 V       value     6 kV       surge voltage resistance rated value     6 kV       shock resistance according to IEC 60068-227     25g / 11 ms       mechanical service life (switching cycles)     •       • of the main contacts typical     100 000       • of auxiliary contacts typical     100 000       • electrical endurance (switching cycles) typical     100 000       electrical endurance (switching cycles) typical     100 000       electrical endurance (switching cycles) typical     00 000       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     -20 +60 °C       • during operation     -20 +80 °C       • during transport     -50 +80 °C       • during tran	product type designation					
size of contactor can be combined company-specific       S00, S0         product extension auxiliary switch       Yes         power loss [W] for rated value of the current       *         • at AC in hot operating state       7.25 W         • at AC in hot operating state per pole       2.4 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         shock resistance according to IEC 60068-2-27       25g / 11 ms         mechanical service life (switching cycles)       *         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         electrical endurance (switching cycles) typical       100 1000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       100/1/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         adjustable current response       -50 +60 °C         • during operation       -20 +60 °C         • during transport       -50 +80 °C						
product extension auxiliary switch       Yes         power loss [W] for rated value of the current       .         • at AC in hot operating state       7.25 W         • at AC in hot operating state per pole       2.4 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         shock resistance according to IEC 60068-2-27       25 (711 ms         mechanical service life (switching cycles)       100 000         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         • of auxilary contacts typical       100 000         • of auxilary contacts typical       100 000         • of auxilary contacts typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       100/1/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         • during operation       -20 +60 °C         • during transport       -50 +80 °C         • during transport       -50 +80 °C         • during transport       -50 +60 °C         • during transport       -50 +60 °C         • durin	size of the circuit-breaker	S00				
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>bkock resistance according to IEC 60068-2-27</li> <li>at possibility possibility</li></ul>	size of contactor can be combined company-specific	S00, S0				
• at AC in hot operating state       7.25 W         • at AC in hot operating state per pole       2.4 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         shock resistance according to IEC 60068-2-27       25g / 11 ms         mechanical service life (switching cycles)       000 000         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         electrical endurance (switching cycles) typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	product extension auxiliary switch	Yes				
• at AC in hot operating state per pole       2.4 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         shock resistance according to IEC 60068-2-27       25g / 11 ms         mechanical service life (switching cycles)       100 000         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         electrical endurance (switching cycles) typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current dependent overload release       3.5 5 A	power loss [W] for rated value of the current					
insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value     6 kV       shock resistance according to IEC 60068-2-27     25g / 11 ms       mechanical service life (switching cycles)     0000       • of the main contacts typical     100 000       • of auxiliary contacts typical     100 000       electrical endurance (switching cycles) typical     100 000       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       ambient temperature     -20 +60 °C       • during operation     -20 +60 °C       • during storage     -50 +80 °C       • during transport     -50 +80 °C       relative humidity during operation     10 95 %       Main circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-dependent overload release operating voltage     3.5 5 A	<ul> <li>at AC in hot operating state</li> </ul>	7.25 W				
value     Image introduction of the second of	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 W				
shock resistance according to IEC 60068-2-27       25g / 11 ms         mechanical service life (switching cycles)       100 000         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         electrical endurance (switching cycles) typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +80 °C         • during torage       -50 +50 °C         • during torage       -505050505050505050		690 V				
mechanical service life (switching cycles)       0         • of the main contacts typical       100 000         • of auxiliary contacts typical       100 000         electrical endurance (switching cycles) typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       3.5 5 A	surge voltage resistance rated value	6 kV				
<ul> <li>of the main contacts typical</li> <li>of auxiliary contacts typical</li> <li>100 000</li> <li>electrical endurance (switching cycles) typical</li> <li>100 000</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-20 +60 °C</li> <li>during storage</li> <li>-50 +80 °C</li> <li>during transport</li> <li>-50 +80 °C</li> </ul> </li> <li>Main circuit</li> <li>Number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage</li> </ul>	shock resistance according to IEC 60068-2-27	25g / 11 ms				
<ul> <li>of auxiliary contacts typical</li> <li>100 000</li> <li>electrical endurance (switching cycles) typical</li> <li>100 000</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>2000 m</li> <li>eduring storage</li> <li>of uring transport</li> <li>c50 +60 °C</li> <li>eduring transport</li> <li>c50 +80 °C</li> <li>mether temperation</li> <li>during transport</li> <li>during operation</li> <li>adjustable current response value current of the current response value current of the current-dependent overload release operating voltage</li> </ul> </li> </ul>	mechanical service life (switching cycles)					
electrical endurance (switching cycles) typical       100 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       3.5 5 A	<ul> <li>of the main contacts typical</li> </ul>	100 000				
reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum ambient temperature       2 000 m         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	<ul> <li>of auxiliary contacts typical</li> </ul>	100 000				
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	electrical endurance (switching cycles) typical	100 000				
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	reference code according to IEC 81346-2	Q				
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	Substance Prohibitance (Date)	10/01/2009				
ambient temperature• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• during transport10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current-dependent overload release operating voltage3	Ambient conditions					
• during operation       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -50 +80 °C         • during transport       -50 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	installation altitude at height above sea level maximum	2 000 m				
<ul> <li>during storage</li> <li>during transport</li> <li>during transport</li> <li>during transport</li> <li>to unit the storage</li> <lithe li="" storage<=""> <li>to unit th</li></lithe></ul>	ambient temperature					
• during transport     • during transport     • during transport     relative humidity during operation     10 95 % Main circuit number of poles for main current circuit     adjustable current response value current of the     current-dependent overload release     operating voltage	<ul> <li>during operation</li> </ul>	-20 +60 °C				
relative humidity during operation 10 95 %          Main circuit       10 95 %         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	<ul> <li>during storage</li> </ul>	-50 +80 °C				
Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release operating voltage       3.5 5 A	<ul> <li>during transport</li> </ul>	-50 +80 °C				
number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       3.5 5 A         operating voltage       3.5 5 A	relative humidity during operation	10 95 %				
adjustable current response value current of the 3.5 5 A 3.5 5 A operating voltage	Main circuit					
current-dependent overload release operating voltage	number of poles for main current circuit	3				
		3.5 5 A				
	operating voltage					
• Tateu value 20 090 V	<ul> <li>rated value</li> </ul>	20 690 V				
• at AC-3 rated value maximum 690 V	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V				
• at AC-3e rated value maximum 690 V	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V				
operating frequency rated value 50 60 Hz	operating frequency rated value	50 60 Hz				
operational current rated value 5 A	operational current rated value	5 A				
operational current	operational current					
• at AC-3 at 400 V rated value 5 A	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	5 A				
• at AC-3e at 400 V rated value 5 A	<ul> <li>at AC-3e at 400 V rated value</li> </ul>	5 A				
operating power	operating power					

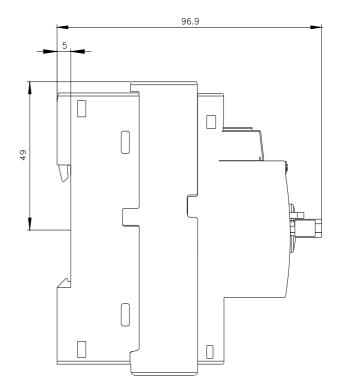
• • • • • • • • • • • • • • • • • • •	● at AC-3	
− at 400 V rade Vaue     1.5 kW       − at 500 V rade Vaue     4 kW       − at 230 V rade Vaue     4 kW       − at 230 V rade Vaue     1.5 kW       − at 230 V rade Vaue     1.5 kW       − at 200 V rade Vaue     2.2 kW       − at 500 V rade Vaue     2.8 kW       • at AC-26 maximum     15 t/n       • at AC-26 maximum     15 t/n       • at AC-36 maximum     15 t/n       • at AC-36 maximum     15 t/n       • at AC-36 maximum     15 t/n       • at 2.2 kW     2.4 kW       • at 2.3 v     0.5 A       • at 2.4 V     0.5 A       • at 2.5 V     0.5 A       • at 2.0 V rade Vaue     0.15 A		1 1 1/10/
<ul> <li>→ al 500 V rated value</li> <li>→ al AC.3a</li> <li>→ al AC.3b V rated value</li> <li>↓ 5 W</li> <li>→ al AC.3b value value</li> <li>↓ 5 W</li> <li>→ al AC.3b read value</li> <li>↓ 6 W</li> <li>↓ 7 W</li> <li>↓ 6 W</li> <li>↓ 7 W</li> <li>↓ 7 W</li> <li>↓ 6 W</li> <li>↓ 7 W</li> <li>↓ 6 W</li> <li>↓ 7 W<td></td><td></td></li></ul>		
• al AC-3e• al AOU Valed value1 HW- al AOU Valed value1 5 KW- al BOU Valed value2 EWW- al BOU Valed value2 EWW- al AO 3 maximum15 Kn• al AO 3 maximum15 Kn• al AO 5 maximum0• al AO 5 maximum0• al AO 5 maximum0• al AO 10 contacts for auxiliary contacts at AC-15• al AO 10 contacts for auxiliary contacts at AC-16• al 20 V0.5 A• al AO 10 full detectionNo• product functionYes• product functionYes• al AO 10 full detectionNo• al AO 20 Valed Value100 KA• al AO 10 Valed Value		
		4 KVV
		1 1 1/1/
- at 80 ∨ rate value     4 kW       operating frequency     15 th       • at AC-3 maximum     15 th <b>Auxiliary circuit</b> transverse       design of the auxiliary sortacts     1       number of NC contacts for auxiliary contacts     0       operational current of auxiliary contacts     0       operational current of auxiliary contacts     0       operational current of auxiliary contacts at AC-15     -       • at 24 ∨     0.5 A       • at 25 ∨     0.5 A       • at 24 ∨     0.5 A       • at 25 ∨     0.5 A       • at 24 ∨     1 A       • at 60 ∨     0.5 A       operational current of auxiliary contacts at DC-13     -       • at 60 ∨     0.5 A       oppartional current of auxiliary contacts at DC-13     -       • at 60 ∨     0.5 A       oppartional current of auxiliary contacts at DC-13     -       • at 60 ∨     0.5 A       oppartional current of auxiliary contacts at DC-13     -       • at 60 ∨     0.5 A       oppartional current of auxiliary contacts at DC-13     -       • at 60 ∨ 16 value     10.0 kA       • at 60 ∨ 16 value     100 kA       • at 60 ∨ 16 value     100 kA       • at AC at 400 ∨ 16 value     100 kA       • at 40 ∨ 16 v		
operating frequency     15 1/h       • at AC-3 maximum     15 1/h       • at AC-3 maximum     15 1/h       Auxiliary circuit     Tensverse       number of NC contacts for auxiliary contacts     1       number of CC contacts for auxiliary contacts     1       number of CC contacts for auxiliary contacts     1       number of CC contacts for auxiliary contacts     0       operational current of auxiliary contacts at AC-15     •       • at 26 V     0.5 A       • at 28 V     0.5 A       • at 24 V 1 red viale     100 VA       • at AC at 240 V red viale     100 VA       • at AC at 240 V red viale     100 VA       • at AC at		
• et AC-3 maximum       15 th         Auxiliary circuit       Transverse         design of the auxiliary sortacts       1         number of NC contacts for auxiliary contacts       0         operational current of auxiliary contacts       0         operational current of auxiliary contacts at AC-15       0         • at 24 V       0.5 A         • at 20 V       0.5 A         • at 20 V       0.5 A         • at 30 V       0.5 A         operational current of auxiliary contacts at DC-13       1         • at 30 V       0.5 A         operational current of auxiliary contacts at DC-13       1         • at 30 V       0.5 A         operational current of auxiliary contacts at DC-13       1         • at 30 V       0.15 A         Product function       Yes         • phase filture detection       Yes         trip class       CLASS 10         design of the overload release       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at 40 V rated value       100 kA         • at		+ KVV
e xi AC-3e maximum     15 1/h       Auxiliary circuit     Financerise       design of the auxiliary contacts     1       number of XC contacts for auxiliary contacts     1       number of CO contacts for auxiliary contacts     1       number of XC contacts for auxiliary contacts     1       number of XC contacts for auxiliary contacts     1       number of XC contacts for auxiliary contacts at AC-15     2.A       e at 24 V     0.5 A       - e at 25 V     0.5 A       - e at 26 V     0.5 A       - e at 20 V     0.5 A       - e at 00 V     0.15 A       Product function     Yes       - e ground fault detection     Yes       - e at 0.0 V     100 KA       - et at 0.0 V rated value     100 KA       - et at 0.0 V rated value     100 KA       - et at 240 V rated value     100 KA       - et at 240 V rated value     100 KA       - et at 240 V rated value     100 KA       - et at 00 V rated value     100 KA       - et at 00 V rated value     100 KA       - et		15.1/b
Auxiliary circuit         transverse           design of the auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         2.A           • at 24 V         2.A           • at 23 V         0.5 A           • at 23 V         0.5 A           • at 24 V         1.A           • at 20 V         0.5 A           • at 24 V         0.15 A           Protective and monitoring functions         Ves           product function         Yes           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         100 KA           • at AC at 800 V rated value         100 KA           • at AC at 800 V rated value         100 KA           • at 240 V rated value         100 KA           • at		
design of the auxiliary swhich     transverse       number of NC contacts for auxiliary contacts     1       number of NC contacts for auxiliary contacts     0       operational current of auxiliary contacts at AC-15     1       • at 24 V     2A       • at 120 V     0.5 A       • at 120 V     0.5 A       • at 23 V     0.5 A       • at 24 V     0.5 A       • at 25 V     0.5 A       • at 26 V     0.5 A       • at 26 V     0.5 A       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 27 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 26 V     0.5 A       operational current of auxiliary contacts at DC-13     •       • at 27 V rated value     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V		15 1/11
number of NC contacts for auxiliary contacts         1           number of CO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         0           • at 24 V         0.5 A           • at 25 V         0.5 A           • at 20 V         0.5 A           • at 20 V         0.5 A           • at 24 V         1A           • at 24 V         1A           • at 24 V         0.5 A           • at 24 V         1A           • at 24 V         0.5 A           • at 24 V         0.5 A           • at 24 V         0.5 A           • at 24 V         1A           • at 60 V         0.15 A           Protective and monitoring functions         Ves           • ground fault distrofied         Ves           • ground fault distrofied         Ves           • at AC at 400 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 600 V rated value         100 KA           • at AC at 600 V rated value         100 KA           • at AC at 600 V rated value         100 KA           • at AC at 600 V rated value         100 KA           • at 40 V rated value <td< td=""><td></td><td>4</td></td<>		4
number of NO contacts for auxiliary contacts         1           number of CO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         2           • at 120 V         0.5 A           • at 125 V         0.5 A           • at 230 V         0.5 A           • at 230 V         0.5 A           • at 24 V         1           • at 26 V         0.5 A           • at 27 V         0.5 A           • at 28 V         0.5 A           • at 26 V         0.5 A           • at 27 V         0.5 A           • at 28 V         0.5 A           • at 28 V         0.5 A           • at 28 V         0.5 A           • at 20 V fate duale         0.5 A           • at AC at 240 V rated value         100 VA           • at AC at 500 V rated value         100 VA           • at AC at 600 V rated value         100 VA           • at AC at 600 V rated value         100 VA           • at AC at 600 V rated value         100 VA           • at 400 V rated va		
number of CO contacts for auxiliary contacts at AC-15         0           • af 24 V         2 A           • at 120 V         0.5 A           • at 120 V         0.5 A           • at 230 V         0.5 A           • at 230 V         0.5 A           • at 24 V         1.4           • at 24 V         0.5 A           • at 24 V         0.5 A           • at 24 V         1.4           • at 60 V         0.15 A           Protective and monitoring functions         Ves           product function         Yes           • at AC at 24 V         1.0 N           • phase failure detection         Yes           • at AC at 40 V rated value         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at 240 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         5 A <td></td> <td></td>		
operational current of auxiliary contacts at AC-15         2 A           • at 120 V         0.5 A           • at 125 V         0.5 A           • at 230 V         0.5 A           • at 230 V         0.5 A           • at 230 V         0.5 A           • at 24 V         1 A           • at 24 V         1 A           • at 24 V         1.5 A           • at 24 V         0.5 A           • at 24 V         1.5 A           • at 24 V         0.5 A           • at 60 V         0.5 A           • at 60 V         0.5 A           • at 60 V         0.5 A           • at 24 V         1.4           • at 60 V         0.5 A           • at 24 V trade detection         No           • phase failure detection         Yes           trip class         CLASS 10           design of the overload release         thermal           broaking capacity maximum short-circuit current (lcu)         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 400 V rated value         100 kA           • at 24 V rated value         100 kA           • at 24 V rated value         100 kA           • at 600 V rated value <td>-</td> <td></td>	-	
e at 120 v     2 A       • at 120 v     0.5 A       • at 125 v     0.5 A       • at 230 v     0.5 A       • operational current of auxiliary contacts at DC-13     • at 24 v       • at 26 v     1 A       • at 26 v     0.15 A       Protective and monitoring functions     v       product function     V       • ground fault detection     Yes       • ground fault detection     Yes       • trip class     CLASS 10       design of the overload release     thermail       breaking capacity maximum short-circuit current (lcu)     • at AC at 400 V rated value       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at 200 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     5 A       • at 600 V rated value <td></td> <td>0</td>		0
• at 120 V       0.5 Å         • at 125 V       0.5 Å         • at 230 V       0.5 Å         • at 24 V       0.5 Å         • at 60 V       0.15 Å         Product function       0.5 Å         egrand fault detection       0.5 Å         • at 24 V       0.15 Å         Product function       No         • graund fault detection       Ves         • phase failure detection       Ves         • at AC at 240 V rated value       100 kA         • at AC at 240 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       6 kA         breaking capacity maximum short-circuit current (ics)       at AC         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       6 kA         breaking capacity maximum short-circuit current (ics)       at AC         • at 400 V rated value       100 kA         • at 400 V rated value       100 kA         • at 400 V rated value       100 kA         • at 600 V rated value       5 Å         • at 600 V rated value       5 Å         • at 600 V rated value       5 Å         • at 600 V rated value       5 Å <td></td> <td></td>		
operational current of auxiliary contacts at DC-13       1 A         • at 24 V       1 A         • at 24 V       0.15 A         Protective and monitoring functions       Protective and monitoring functions         product function       No         • provino fault detection       Yes         • provino fault detection       Yes         trip class       CLASS 10         design of the overload release       thermal         breaking capacity maximum short-circuit current (Icu)       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 600 V rated value       100 kA         • at AC at 600 V rated value       100 kA         • at AC at 600 V rated value       100 kA         • at 200 V rated value       100 kA         • at 200 V rated value       100 kA         • at 200 V rated value       100 kA         • at 600 V rated value       5 A		
		0.5 A
Protective and monitoring functions           product function           • ground fault detection         No           • phase failure detection         Yes           trip class         CLASS 10           design of the overload release         thermal           breaking capacity maximum short-circuit current (lcu)         it AC at 240 V rated value           • at AC at 240 V rated value         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         6 kA           breaking capacity operating short-circuit current (lcs)         6 kA           at AC         100 kA           • at 400 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         5 A           yielded mechanical performance [hp]         104 A           unit         5 A           Vielded mechanical performance [hp]         0.17 hp           • for 3-phase AC motor         0.17 hp           - at 200/208 V rated value         0.5 hp		
product function     No       • ground fault detection     No       • phase failure detection     Yes       trip class     CLASS 10       breaking capacity maximum short-circuit current (icu)     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 900 V rated value     100 kA       • at AC 0 V rated value     100 kA       • at AD V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     5 A       • at 400 V rated		0.15 A
<ul> <li>ground fault detection</li> <li>phase failure detection</li> <li>yes</li> <li>phase failure detection</li> <li>yes</li> <li>trip class</li> <li>CLASS 10</li> <li>design of the overload release</li> <li>thermal</li> <li>breaking capacity maximum short-circuit current (Icu)</li> <li>at AC at 240 V rated value</li> <li>100 kA</li> <li>at AC at 500 V rated value</li> <li>100 kA</li> <li>at AC at 600 V rated value</li> <li>100 kA</li> <li>at AC at 600 V rated value</li> <li>100 kA</li> <li>at AC at 600 V rated value</li> <li>100 kA</li> <li>at AC at 600 V rated value</li> <li>100 kA</li> <li>at AC at 600 V rated value</li> <li>100 kA</li> <li>at 420 V rated value</li> <li>100 kA</li> <li>at 500 V rated value</li> <li>100 kA</li> <li>at 600 V rated value</li> <li>4 kA</li> <li>response value current of instantaneous short-circuit trip</li> <li>unit</li> </ul> <b>ULCSA ratings full-load current (FLA) for 3-phase AC motor</b> <ul> <li>at 480 V rated value</li> <li>5 A</li> <li>at 400 V rated value</li> <li>100 rated value</li> <li>100 rate value</li> <li>100 rate value</li> <li>100 rate value</li> <li>100 rate value</li> <l< td=""><td></td><td></td></l<></ul>		
• phase failure detectionYestrip classCLASS 10design of the overload releasethermalbreaking capacity maximum short-circuit current (Icu)• at AC at 24 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value00 kA• at AC at 500 V rated value6 kAbreaking capacity operating short-circuit current (Ics)at AC• at AC at 500 V rated value100 kA• at AC of 500 V rated value100 kA• at 420 V rated value100 kA• at 630 V rated value100 kA• at 630 V rated value100 kA• at 640 V rated value5 Aresponse value current of instantaneous short-circuit trip104 Aundt104 Aundt101/120 V rated value• at 640 V rated value5 A• at 640 V rated value5 A• at 600 V rated value5 A• at 200/208 V rated value0.17 hp- at 200/208 V rated value1 hp- at 200/208 V rated value1 hp- at 200/208 V rated value3 hp- at 440448 V rated value3 hp- at 200/208 V rated value3 hp- at 440448 V rated value3 hp- at 200/208 V rated value3 hp <td< td=""><td>•</td><td></td></td<>	•	
trip class       CLASS 10         design of the overload release       thermal         breaking capacity maximum short-circuit current (Icu)       00 KA         • at AC at 240 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 600 V rated value       6 kA         breaking capacity operating short-circuit current (Ics)       at AC         • at 240 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 200 V rated value       5 A         • at 200 V rated value       0.17 hp         - at 200/208 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       3 hp	-	
design of the overload release     thermal       breaking capacity maximum short-circuit current (Icu)     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 690 V rated value     6 kA       breaking capacity operating short-circuit current (Ics)     6 kA       • at 400 V rated value     100 kA       • at 600 V rated value     100 kA       • at 600 V rated value     4 kA       response value current of instantaneous short-circuit trip     104 A       unit     104 A       UL/CSA ratings     5 A       full-load current (FLA) for 3-phase AC motor     6       • at 480 V rated value     5 A       • at 600 V rated value     5 A       • at 400 V rated value     5 A       • at 200/208 V rated value     0.5 hp       • for 3-phase AC motor		
breaking capacity maximum short-circuit current (icu) <ul> <li>at AC at 240 V rated value</li> <li>100 kA</li> <li>at AC at 500 V rated value</li> <li>100 kA</li> <li>at AC at 500 V rated value</li> <li>100 kA</li> <li>at AC at 690 V rated value</li> <li>6 kA</li> </ul> <li>breaking capacity operating short-circuit current (ics) at AC</li> <li>at AC at 690 V rated value</li> <li>100 kA</li> <li>at AC at 690 V rated value</li> <li>100 kA</li> <li>at AC at 690 V rated value</li> <li>100 kA</li> <li>at 500 V rated value</li> <li>100 kA</li> <li>at 690 V rated value</li> <li>4 kA</li> <li>response value current of instantaneous short-circuit trip</li> <li>104 A</li> <li>unit</li> <b>ULCSA ratings</b> full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 A</li> <li>at 800 V rated value</li> <li>1 hp</li> <li>at 220/200 V rated value</li> <li>1 hp</li> <li>at 420/200 V rated value</li> <li>3 hp</li> <li>at 600/200 V rated value</li> <li>3 hp</li> <li>at 607/600 V rated value</li></ul>	-	
• at AC at 240 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 690 V rated value       6 kA         breaking capacity operating short-circuit current (Ics) at AC       6 kA         • at 240 V rated value       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 400 V rated value       100 kA         • at 690 V rated value       5 A         • at 600 V rated value       5 A         • at 800 V rated value       0.17 hp         - at 200/208 V rated value       0.5 hp         • for 3-phase AC motor       1 hp         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp <t< td=""><td>-</td><td>thermal</td></t<>	-	thermal
• at AC at 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 690 V rated value     6 kA       breaking capacity operating short-circuit current (Ics) at AC     100 kA       • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 500 V rated value     100 kA       • at 690 V rated value     100 kA       • at 600 V rated value     4 kA       response value current of instantaneous short-circuit trip unit     104 A       UL/CSA ratings       full-load current (FLA) for 3-phase AC motor       • at 600 V rated value     5 A       • at 600 V rated value     5 A       • at 110/120 V rated value     0.17 hp       - at 200/208 V rated value     0.5 hp       • for 3-phase AC motor     -       - at 200/208 V rated value     1 hp       - at 200/208 V rated value     1 hp       - at 200/208 V rated value     3 hp       - at 60/400 V rated value     3 hp       - at 575/600 V rated		
• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAbreaking capacity operating short-circuit current (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value4 kAresponse value current of instantaneous short-circuit trip104 Aunit100 kAUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value5 A• at 10/120 V rated value0.17 hp• at 230 V rated value0.5 hp• for 3-phase AC motor at 200/208 V rated value1 hp- at 200/208 V rated value1 hp- at 200/208 V rated value3 hp- at 60/480 V rated value <t< td=""><td></td><td></td></t<>		
• at AC at 690 V rated value6 kAbreaking capacity operating short-circuit current (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip104 Atull-load current (FLA) for 3-phase AC motor5 A• at 480 V rated value5 A• at 680 V rated value5 A• at 680 V rated value5 A• for single-phase AC motor at 110/120 V rated value0.17 hp- at 110/120 V rated value0.5 hp• for 3-phase AC motor at 220/230 V rated value0.17 hp- at 220/230 V rated value1 hp- at 220/230 V rated value3 hp- at 60/480 V rated value3 hp <td></td> <td></td>		
breaking capacity operating short-circuit current (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip104 AUICSA ratingsIUI/CSA rated value• at 480 V rated value5 A• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value0.17 hp- at 110/120 V rated value0.5 hp• for single-phase AC motor- at 220/230 V rated value0.17 hp- at 220/230 V rated value0.5 hp• for 3-phase AC motor- at 220/230 V rated value1 hp- at 220/230 V rated value3 hp- at 60/480 V rated value3 hp <td></td> <td></td>		
at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip104 AunitunitUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value5 A• at 600 V rated value5 A• for single-phase AC motor at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor at 200/208 V rated value1 hp- at 200/208 V rated value1 hp- at 200/208 V rated value3 hp- at 600480 V rated value3 hp- at 575/600 V rated value3 hp- at 675/600 V rated value <t< td=""><td></td><td>0 KA</td></t<>		0 KA
• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit104 AUL/CSA ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value5 A• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value0.17 hp- at 110/120 V rated value0.5 hp• for 3-phase AC motor at 220/230 V rated value1 hp- at 220/230 V rated value1 hp- at 450/480 V rated value3 hp- at 575/600 V ratee value3 hp- at 575/600 V ratee value		
• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit104 AUL/CSA ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value5 A• at 480 V rated value5 A• at 600 V rated value5 A• at 600 V rated value5 A• jelded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor- at 200/208 V rated value1 hp- at 220/230 V rated value1 hp- at 460/480 V rated value3 hp- at 65/5600 V rated value3 hp- at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesmagnetic101	at 240 V rated value	100 kA
• at 690 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       104 A         full-load current (FLA) for 3-phase AC motor       5 A         • at 480 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       0.17 hp         - at 110/120 V rated value       0.17 hp         - at 200/208 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 460/480 V rated value       3 hp         - at 575/600 V rated value       3 hp         contact rating of auxiliary contacts according to UL       C300 / R300         Short-circuit protection       Yes         magnetic       Yes	• at 400 V rated value	100 kA
response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 A</li> </ul> <li>of or single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>0.17 hp</li> <li>at 230 V rated value</li> <li>0.5 hp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>0.5 hp</li> </ul> </li> <li>of or single-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>1 hp</li> <li>at 220/230 V rated value</li> <li>1 hp</li> <li>at 460/480 V rated value</li> <li>3 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C300 / R300</li> </ul> </li> <li>Short-circuit protection         <ul> <li>Yes</li> <li>magnetic</li> </ul> </li>	• at 500 V rated value	100 kA
response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 A</li> </ul> <li>of or single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>0.17 hp</li> <li>at 230 V rated value</li> <li>0.5 hp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>0.5 hp</li> </ul> </li> <li>of or single-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>1 hp</li> <li>at 220/230 V rated value</li> <li>1 hp</li> <li>at 460/480 V rated value</li> <li>3 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C300 / R300</li> </ul> </li> <li>Short-circuit protection         <ul> <li>Yes</li> <li>magnetic</li> </ul> </li>		
unit       UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor                 <ul> <li>at 110/120 V rated value</li> <li>0.17 hp</li> <li>at 230 V rated value</li> <li>0.5 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>1 hp</li> <li>at 220/230 V rated value</li> <li>1 hp</li> <li>at 460/480 V rated value</li> <li>3 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C300 / R300</li> </ul> </li> </ul> <li>Short-circuit protection</li> <li>Yes</li>		
full-load current (FLA) for 3-phase AC motor       5 A         • at 480 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         yielded mechanical performance [hp]       6         • for single-phase AC motor       0.17 hp         - at 110/120 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       3 hp         - at 575/600 V rated value       3 hp         contact rating of auxiliary contacts according to UL       C300 / R300         Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic		
• at 480 V rated value5 A• at 600 V rated value5 A• yielded mechanical performance [hp]5 A• for single-phase AC motor0.17 hp- at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor at 200/208 V rated value1 hp- at 220/230 V rated value3 hp- at 460/480 V rated value3 hp- at 460/480 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic	UL/CSA ratings	
• at 600 V rated value5 Ayielded mechanical performance [hp]5 A• for single-phase AC motor0.17 hp- at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor1 hp- at 200/208 V rated value1 hp- at 220/230 V rated value3 hp- at 460/480 V rated value3 hp- at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]	<ul> <li>at 480 V rated value</li> </ul>	5 A
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>b for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>b for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>b hp</li> <li>at 220/230 V rated value</li> <li>b hp</li> <li>at 460/480 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C300 / R300</li> </ul> </li> <li>Short-circuit protection         <ul> <li>Yes</li> <li>design of the short-circuit trip</li> <li>magnetic</li> </ul> </li> </ul>	<ul> <li>at 600 V rated value</li> </ul>	5 A
at 110/120 V rated value0.17 hp at 230 V rated value0.5 hp• for 3-phase AC motor at 200/208 V rated value1 hp at 220/230 V rated value1 hp at 460/480 V rated value3 hp at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic	yielded mechanical performance [hp]	
at 230 V rated value0.5 hp• for 3-phase AC motor at 200/208 V rated value1 hp at 220/230 V rated value1 hp at 460/480 V rated value3 hp at 460/480 V rated value3 hp at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic	<ul> <li>for single-phase AC motor</li> </ul>	
<ul> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>bp</li> <li>bp</li> <li>bp</li> </ul> </li> <li>bp</li> <li>bp</li> <li>bp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>bp</li> <li>contact function short circuit protection</li> <li>bp</li> <li>Yes</li> <li>bp</li> <li>design of the short-circuit trip</li> <li>magnetic</li> </ul>	— at 110/120 V rated value	
- at 200/208 V rated value1 hp- at 220/230 V rated value1 hp- at 460/480 V rated value3 hp- at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic		0.5 hp
at 220/230 V rated value1 hp at 460/480 V rated value3 hp at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic	•	
— at 460/480 V rated value3 hp— at 575/600 V rated value3 hpcontact rating of auxiliary contacts according to ULC300 / R300Short-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagnetic		
— at 575/600 V rated value     3 hp       contact rating of auxiliary contacts according to UL     C300 / R300       Short-circuit protection     Yes       product function short circuit protection     Yes       design of the short-circuit trip     magnetic		
contact rating of auxiliary contacts according to UL       C300 / R300         Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic		
Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic		
product function short circuit protection     Yes       design of the short-circuit trip     magnetic		C300 / R300
design of the short-circuit trip magnetic	Short-circuit protection	
design of the fuse link	-	magnetic
	design of the fuse link	

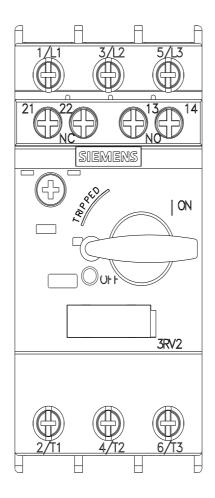
• for short-circuit protection of the auxiliary switch	Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current				
required design of the fuse link for IT network for short-circuit	Ik < 400 A)				
<pre>protection of the main circuit      • at 400 V</pre>					
• at 500 V	gL/gG 32 A gL/gG 32 A				
• at 690 V	gL/gG 25 A				
Installation/ mounting/ dimensions					
mounting position	any				
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715				
height	97 mm				
width	45 mm				
depth	97 mm				
<ul> <li>required spacing</li> <li>with side-by-side mounting at the side</li> </ul>	0 mm				
<ul> <li>for grounded parts at 400 V</li> </ul>	0 mm				
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
<ul> <li>for live parts at 400 V</li> </ul>					
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
<ul> <li>for grounded parts at 500 V</li> </ul>					
— downwards	30 mm				
— upwards — at the side	30 mm 9 mm				
<ul> <li>for live parts at 500 V</li> </ul>	9 11111				
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
<ul> <li>for grounded parts at 690 V</li> </ul>					
— downwards	50 mm				
— upwards	50 mm				
— backwards	0 mm				
— at the side	30 mm				
— forwards	0 mm				
<ul> <li>for live parts at 690 V</li> <li>— downwards</li> </ul>	50 mm				
— upwards	50 mm				
— backwards	0 mm				
— at the side	30 mm				
— forwards	0 mm				
Connections/ Terminals					
type of electrical connection					
for main current circuit	screw-type terminals				
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals				
arrangement of electrical connectors for main current	Top and bottom				
circuit					
type of connectable conductor cross-sections • for main contacts					
- solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²				
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (0.7 5 2,5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )				
at AWG cables for main contacts	2x (18 14), 2x 12				
type of connectable conductor cross-sections					
<ul> <li>for auxiliary contacts</li> </ul>					
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
- finely stranded with core end processing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )				
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)				
tightening torque					
for main contacts with screw-type terminals	0.8 1.2 N·m				
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m				
design of screwdriver shaft	Diameter 5 to 6 mm				

<ul> <li>for main contact</li> </ul>	I of the connection so	crew	M3	driv size 2			
-	and control contacts		M3				
Safety related data B10 value							
	nd rate according to S rous failures	N 31920	5 000	)			
	nd rate according to SN nd rate according to S		50 % 50 %				
<ul> <li>with low deman</li> <li>T1 value for proof tes</li> </ul>	nd rate according to SN it interval or service life		50 FI 10 y	Т			
IEC 61508 protection class IP o 60529	on the front accordin	g to IEC	IP20				
touch protection on display version for sw	the front according t	to IEC 60529	finger-safe, for vertical contact from the front Handle				
Certificates/ approval	-		. idiit				
General Product Ap							
		<u>Confirmatio</u>	<u>nc</u>	(U) u	<u>KC</u>	EHC	
Declaration of Conf	formity	Test Certifica	ates		Marine / Shipping		
CE EG-Konf.	UK CA	<u>Special Test C</u> <u>ate</u>	<u>ertific-</u>	<u>Type Test Certific-</u> ates/Test Report	ABS		
Marine / Shipping						other	
	Lloyds Register us	PRS		RINA	RMRS	Confirmation	
other	Railway						
UDE VDE	Confirmation	Vibration and S	<u>Shock</u>				
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=3RV2411-1FA15 Cax online generator							
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2411-1FA15 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1FA15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2411-1FA15⟨=en Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current							
https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1FA15/char							

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-1FA15&objecttype=14&gridview=view1



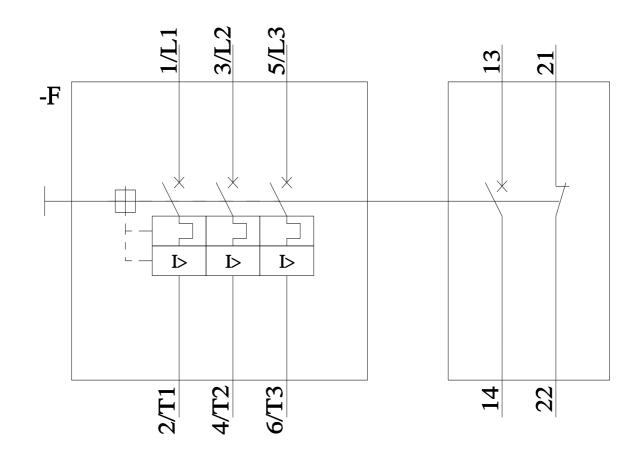




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