## SIEMENS

## Data sheet

## 3RV2011-1KA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 9...12 A N-release 163 A screw terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	3.1 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 (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	0.35 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Environmental footprint	
Global Warming Potential [CO2 eq] total	74.698 kg
Global Warming Potential [CO2 eq] during manufacturing	1.98 kg
global warming potential [CO2 eq] during sales	0.134 kg
Global Warming Potential [CO2 eq] during operation	72.7 kg
Global Warming Potential [CO2 eq] after end of life	-0.116 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Main circuit	

Induse of poins of notion to to the current         0         1.25 A           operating voltage         2         0.00 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         000 V         000 V           • at AC 3 make value maximum         12.5 A         000 V           • at AC 3 make value maximum         12.5 A         000 V           • at AC 3 make value         3.5 W         000 V           • at AC 3 make value         3.5 W         000 V           • at AC 3 make value         7.5 W         000 V           • at AC 3 make value         7.5 W         000 V           • at AC 3 make value         0.0         000 V           • at AC 3 make value         0.0         000 V           • at AC 3 make value         0.0         000 V           • at AC 3 make value         0.0         000 V <tr< th=""><th>number of polos for main ourrant circuit</th><th>3</th></tr<>	number of polos for main ourrant circuit	3
depending vorticed voluesImage: set of the set of th	number of poles for main current circuit	
operating requery rated value maximum90 V• all AC3 in tild value maximum90 V• all AC3 and value maximum90 V• all AC3 and value maximum90 Voperating requery rated value90 - 60 H2operating requery rated value12.5 A• all AC3 and AV Intro value5.5 W• all AC3 and AV Intro value5.5 W- all 320 V inter value7.5 W- all 320 V inter val		9 12.3 A
• electric decision200 (0)generating frequency rated value600 (0)operation accord600 (0)operation accord12.5 Aoperation accord12.5 A <td< td=""><td>•</td><td></td></td<>	•	
• at AC-3 rated value maximum600 V• at AC-3 rated value maximum600 V• at AC-3 rated value2.5 A• at AC-3 rated Value12.5 A• at AC-3 rated Value12.5 A• at AC-3 rated Value12.5 A• at AC-3 rated Value3.800 V• at AC-3 rated Value7.5 kW- at 320 Vraide Value3.800 V• at AC-3 rated Value3.800 V </td <td></td> <td>20 690 V</td>		20 690 V
endenvoperation6060 Hzoperational current rated value6060 Hzoperational current rated value12.5 A		
operational current rated value50 = 60 Hzoperational current12.5 A• # AC3 at 400 V rated value12.5 A• # AC3 at 400 V rated value12.5 Aoperating power-• # AC3 at 400 V rated value12.5 A• = AC3 at 400 V rated value5.5 kW- = A120 V rated value5.5 kW- = at 500 V rated value7.5 kW- = at 600 V rated value3.5 kW- = at 600 V rated value3.5 kW- = at 200 V rated value3.5 kW- = at 200 V rated value3.5 kW- = at 200 V rated value7.5 kW- = at 600 V rated value7.5 kW- = at 600 V rated value7.5 kW- = at 600 V rated value7.5 kWoperating frequency7.5 kW- = at 600 V rated value7.5 kWoperating frequency15 1/h- at 600 V rated value0operating frequency0- at 600 V rated value0- at 600 V rated value0operating frequency0- at 600 V rated value0- at 600 V rated value100 kA- at 600 V rated val		
operational current rand value22.5 Aoperational current2.5 A• # A.G.S at 400 V rated value2.5 A• # A.G.S at 400 V rated value2.5 A• # A.G.S at 400 V rated value2.5 A• # A.G.S at 400 V rated value3.WV- # 400 V rated value5.5 W- # 400 V rated value7.5 W- # 400 V rated value7.5 W- # 400 V rated value5.5 W- # 400 V rated value7.5 W- # 400 V rated value7.5 W- # 400 V rated value7.5 W- # 400 V rated value10 h- # 400 V rated value0- # 400 V rated value100 kA-		
operational current• #1 AC-3 at 400 V table value12.5 A• #1 AC-3 at 400 V table value3 WV- #1 230 V table value7.5 WV- #1 230 V table value7.5 WV- #1 230 V table value7.5 WV- #1 230 V table value5.5 WW- #1 230 V table value7.5 WW- #1 240 V table value7.5 WW- #1 240 V table value7.5 WW- #1 240 V table value0- #1 240 V table value100 VA• #1 AC-3 maxiliary contacts0- #1 240 V rade value100 VA• #1 AC-3 maxiliary contacts100 VA• #1 AC-3 maxiliary contacts100 VA• #1 AC-3 table V rade value100 VA• #1 AC-3 table V rade value		
In AC3 at 400 V rated value12.5 Aoperating powerV- at 230 V rated value3 KW- at 400 V rated value5 KW- at 400 V rated value5 KW- at 600 V rated value5 KW- at 600 V rated value7 5 KW- at 600 V rated value7 5 KW- at 600 V rated value7 5 KW- at 600 V rated value5 KW- at 600 V rated value7 KW- at 600 V rated value7 KW- at 600 V rated value7 KW- at 600 V rated value6 A- at 600 V rated value0 A- at 600 V rated value100 V A <trr>- at 600 V rated value100 V A&lt;</trr>	•	
• at AC-3 at 400 V rated value125.A• • • • • • • • • • • • • • • • • • •	-	12.5 A
operating power         -		
• alt AC-3S- alt 230 Yraled value55 KW- alt 260 Yraled value75 KW- alt 260 Yraled value75 KW- alt 260 Yraled value55 KW- alt 260 Yraled value55 KW- alt 260 Yraled value55 KW- alt 260 Yraled value75 KWoperating frequency15 Irb- alt 260 Yraled value0- alt 260 Yraled value100 KA- alt 260 Yraled v		
- at 230 V rated value3 kW- at 400 V rated value55 kW- at 600 V rated value55 kW- at 600 V rated value3 kW- at 230 V rated value3 kW- at 400 V rated value55 kW- at 600 V rated value55 kW- at 600 V rated value75 kW- at 600 V rated value15 1/h- at 600 V rated value15 1/h- at 600 V rated value0- at 600 V rated value100 kA- at 600 V rated value125 A <trr>- at 600 V rat</trr>		
- at 400 V rated value5.5 kW- at 600 V rated value7.5 kW- at 600 V rated value3 kW- at 230 V rated value5.5 kW- at 600 V rated value5.5 kW- at 600 V rated value5.5 kW- at 600 V rated value7.5 kW- at 600 V rated value0- at 600 V rated value00 kA- at 600 V rated value100 kA- at 600		3 kW
- al 500 V rated value7.5 kW- al 620 V rated value7.5 kW- al 230 V rated value3 W- al 230 V rated value5 kW- al 600 V rated value7.5 kW- al 600 V rated value10 h- al 600 V rated value0.1- al 600 V rated value100 kA- al 600 V rated value6.1- al 600 V rated value100 kA- al 600 V rated value12.5 A- al 600 V rated value <t< td=""><td></td><td></td></t<>		
• all AC-3e- all 230 V rated value3 kW- all 200 V rated value5.5 kW- all 500 V rated value7.5 kW- all 500 V rated value7.5 kW- all 680 V rated value7.5 kWoperating frequency15 th- all AC-3 maximum15 th- all AC-3 maximum0- number of NC contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0- number of NC contacts for auxiliary contacts0- all AC all AU V rated value100 kA- all AC all 400 V rated value100 kA- all AC all 400 V rated value100 kA- all 400 V rated valu		
- al 230 V rated value3 kW- al 400 V rated value55 kW- al 690 V rated value75 kWoperating frequency75 kW- al 690 V rated value75 kMoperating frequency15 1/h- al AC3e maximum15 1/h- al AC3e maximum15 1/h- at AC3e maximum0- number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of CC contacts for auxiliary contacts0- reground fault detectionYes- reground fault detectionYes- frig classCLASS 10- design of the overload releasethemal- at 240 V rated value100 kA- at AC at 900 V rated value100 kA- at 240 V rated value100 kA-		
- at 400 V rated value5.5 kW- at 500 V rated value7.5 kW- at 600 V rated value7.5 kWoperating frequency15 1/n- at AC-3 maximum15 1/n- at AC-3 maximum15 1/n- at AC-3 maximum15 1/n- at AC-3 maximum0- number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0- number of NC contacts for auxiliary contacts0- number of CO contacts for auxiliary contacts0- ground fault detectionV- ground fault detectionYes- figlingCLASS 10- figling of the overload release100 kA- at AC at 240 V rated value100 kA- at AC at 600 V rated value24 kA- at AC at 600 V rated value100 kA- at AC at 600 V rated value24 kA- at AC at 600 V rated value100 kA- at AC at 600 V rated value24 kA- at AC at 600 V rated value100 kA- at AC at 600 V rated value24 kA- at AC at 600 V rated value100 kA- at 400 V rated value100 kA- at 400 V rated value100 kA- at 400 V rated value100 kA- at AC at 600 V rated value100 kA- at 400 V rated value100 kA- at 600 V rated value12.5 A- at 400 V rated value12.5 A- at 40		3 kW
at 500 V rated value7.5 kW at 600 V rated value7.6 kW at 600 V rated value7.6 kW at AC-3 maximum15 1/h at AC-3 maximum15 1/h at AC-3 maximum0 at AC-3 maximum score at a standard score		
operating frequency         requency           • at AC-3 maximum         15 1/h           • at AC-3 maximum         15 1/h           • at AC-3 maximum         15 1/h           Auxillary circuit         0           number of NC contacts for auxillary contacts         0           number of CO contacts for auxillary contacts         0           Protoct function         0           • ground fault detection         No           • optical fault detection         Ves           • frip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         • at AC at 400 V rated value           • at AC at 400 V rated value         100 kA           • at AC at 400 V rated value         6 kA           operating short-circuit current breaking capacity (Ics) at AC         6 kA           operating short-circuit current breaking capacity (Ics) at AC         100 kA           • at AC at 900 V rated value         100 kA           • at AC at 900 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         100 kA           • at 800 V rated value         100 kA <td></td> <td></td>		
• at AC-3 maximum15 1/h• at AC-3e maximum15 1/hAxviliary circuit15 1/hAxviliary circuit0number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0Protective and monitoring functions0Protective and monitoring functions0eiground fault detectionYesfrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 680 V rated value100 kA• at AC at 680 V rated value100 kA• at 4A at 400 V rated value100 kA• at 400 V rated value22 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value12.5 A• at 400 V rated value12.5 A• at 400 V rated value12.5 A• at 400 V rate		7.5 KW
• at AC-3e maximum15 f/hAuxiliary contexts0number of NC contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protect functionVesorgodud functions functionsVestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)00 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 800 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 800 V rated value100 kA• at 800 V rated value4 kA• at 800 V rated value2 kA• at 800 V rated value3 hp• at 800 V rated value3 hp		15.1/b
Auxiliary circuit         Image of NG contacts for auxiliary contacts         0           number of NG contacts for auxiliary contacts         0         0           number of CO contacts for auxiliary contacts         0           product function         0           ergound fault detection         No           • phase failure detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         •           • at AC at 240 V rated value         100 kA           • at AC at 260 V rated value         100 kA           • at AC at 500 V rated value         6 kA           operating short-circuit current breaking capacity (Ics) at AC         •           • 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 400 V rat		
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           Protective and monitoring functions         0           Product function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         • at AC at 240 V rated value           • 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         6 kA           oparating short-circuit current breaking capacity (Ice) at AC         • at AC at 600 V rated value           • at AC at 600 V rated value         100 kA           • at AC at 500 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 600 V rated value         100 kA           • at 600 V rated value         12.5 A           • at 600 V rated value         12.5 A           • at 600 V rated value         12.5 A           • at 600		15 1/h
number of NO contacts for auxiliary contacts         0           number of CO contacts for auxiliary contacts         0           Protective and monitoring functions         0           product function         No           • ground fault detection         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (lcu)         • at AC at 240 V rated value           • at AC at 260 V rated value         100 kA           • at AC at 500 V rated value         6 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 600 V rated value         100 kA <td< td=""><td></td><td></td></td<>		
number of CO contacts for auxiliary contacts         0           Product functions         Product functions           product function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (icu)         thermal           • at AC at 240 V rated value         100 kA           • at AC at 300 V rated value         100 kA           • at AC at 400 V rated value         6 kA           operating short-circuit current breaking capacity (ics) at AC         at AC at 500 V rated value           • at 240 V rated value         100 kA           • at 240 V rated value         6 kA           operating short-circuit current breaking capacity (ics) at AC         at 240 V rated value           • at 400 V rated value         100 kA           • at 400 V rated value         100 kA           • at 600 V rated value         163 A           U/CSA ratings <t< td=""><td></td><td></td></t<>		
Protective and monitoring functions         product function         e ground fault detection         v ground fault detection         trip class         trip class         design of the overload release         maximum short-circuit current breaking capacity (Icu)         • at AC at 240 V rated value         • at AC at 400 V rated value         • at AC at 500 V rated value         • at AC at 500 V rated value         • at AC at 500 V rated value         • at AC at 400 V rated value         • at AC at 500 V rated value         • at AC at 90 V rated value         • at AC at 90 V rated value         • at 400 V rated value         • at 600 V rated value         • at 600 V rated value         • at 400 V rated value         • at 400 V rated value         • at 400 V rated value         • at 600 V rated value         • at 600 V rated value         • at 400 V rated value         • at 600 V rated value         • at 200 V rated value         • at 600 V rated value <td< td=""><td></td><td></td></td<>		
product function     No       • ground fault detection     Yes       trip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (Icu)     • at 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       operating short-circuit current breaking capacity (Ics) at AC     6 kA       • at 420 V rated value     100 kA       • at 420 V rated value     100 kA       • at 420 V rated value     6 kA       operating short-circuit current breaking capacity (Ics) at AC     6       • at 240 V rated value     100 kA       • at 420 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     12.5 A       • at 600 V rated value     12.5 A       • at 480 V rated value     12.5 A       • at 100 I20 V rated value     2.5 A       yielded mechanical performance [hp]     12.5 A       • for single-phase AC motor     2.5 hp       - at 110/120 V rated value     3 hp       - at 200/208 V rated value	- -	0
• ground fault detectionNo• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at AC00 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value2 kA• at 600 V rated value100 kA• at 600 V rated value12.5 A• at 600 V rated value12.5 A• at 600 V rated value0.5 hp- at 100/120 V rated value0.5 hp- at 200 V rated value2 hp• for 3-phase AC motor2 hp- at 200 V rated value3 hp- at 200208 V rated value3 hp- at 40/480 V		
• phase failure detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         it AC at 240 V rated value           • 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         6A           • 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 240 V rated value         100 kA           • at 240 V rated value         100 kA           • at 240 V rated value         100 kA           • at 300 V rated value         100 kA           • at 600 V rated value         12.5 A           • at 400 V rated value         0.5 hp           • at 400 V rated value		
trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (lcu)            • at AC at 240 V rated value         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 600 V rated value         6 kA           operating short-circuit current breaking capacity (lcs) at AC         6 kA           operating short-circuit current breaking capacity (lcs) 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 690 V rated value         100 kA           • at 690 V rated value         125 A           response value current (FLA) for 3-phase AC motor         12.5 A           • at 600 V rated value         12.5 A           • at 600 V rated value         0.5 hp           • at 600 V rated value         0.5 hp           - at 100/120 V rated value         0.5 hp           - at 200/208 V rated value         3 hp <td>-</td> <td></td>	-	
design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)thermal• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value6 kA• at AC at 630 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at AC6 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 690 V rated value103 AUL/CSA ratings163 AUL/CSA ratings12.5 A• at 690 V rated value12.5 A• at 690 V rated value0.5 hp• at 690 V rated value0.5 hp- at 200/28 V rated value2 hp• for 3-phase AC motor at 200/28 V rated value3 hp- at 460/480 V rated value8 hp- at 460/480 V rated value6 hp- at 600 V rated value6 hp- at 55/600 V rated value10 hp		
maximum short-circuit current breaking capacity (Icu)Interface• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value42 kA• at AC at 690 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at ACInterface• at 240 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 690 V rated value42 kA• at 690 V rated value163 AUUCSA ratingsULCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 A• at 600 V rated value0.5 hp- at 110/120 V rated value0.5 hp- at 200/208 V rated value3 hp- at 460/48 V vrated value8 hp- at 460/48 V vrated value6 hp- at 460/48 V vrated value6 hp- at 200/208 V rated value6 hp- at 200/208 V rated value6 hp- at 200/208 V rated value6 hp- at 460/48 V vrated value6 hp- at 460/48 V vrated value6 hp- at 460/48 V vrated value6 hp- at 460/4		
• 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         42 kA           • at AC at 690 V rated value         6 kA           operating short-circuit current breaking capacity (Ics) at AC         6           • at 240 V rated value         100 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         100 kA           • at 690 V rated value         42 kA           • at 690 V rated value         42 kA           • at 690 V rated value         163 A           UL/CSA ratings         12.5 A           • at 690 V rated value         2.5 hp           • at 480 V rated value         0.5 hp           - at 210/210 V rated value         3 hp           - at 220/230 V rated value         3 hp           - at 220/230 V rated value         3 hp           - at 220/230 V rated value         3 hp		thermal
• at AC at 400 V rated value100 kA• at AC at 500 V rated value42 kA• at AC at 690 V rated value6 kAoperating short-circuit current breaking capacity (ics) at AC-• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value4 kA• at 600 V rated value4 kA• at 600 V rated value6 a• at 600 V rated value103 A <b>ULCSA ratings</b> 12.5 A• at 600 V rated value12.5 A• at 600 V rated value12.5 A• at 600 V rated value0.5 hp• at 300 V rated value2 hp• at 300 V rated value3 hp• at 200/208 V rated value3 hp• at 200/208 V rated value3 hp• at 400 V rated value3 hp• at 400 V rated value3 hp• at 400 V rated value3 hp• at 200/208 V rated value3 hp• at 400 V rated value3 hp• at 400 V rated value3 hp• at 600 V rated value3 hp• at 600 V rated value3 hp• at 200/208 V rated value3 hp• at 200/208 V rated value3 hp• at 200/208 V rated value3 hp• at 60480 V rated value3 hp• at 604080 V rated value3 hp• at 604080 V rated v		
• at AC at 500 V rated value42 kA• at AC at 690 V rated value6 kA• operating short-circuit current breaking capacity (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value42 kA• at 690 V rated value4 kA• at 690 V rated value4 kA• at 690 V rated value12.5 A• at 690 V rated value12.5 A• at 600 V rated value12.5 A• at 110/120 V rated value0.5 hp• at 230 V rated value3 hp• at 200/208 V rated value3 hp• at 60/480 V rated value10 hp		
• at AC at 690 V rated value6 kAoperating short-circuit current breaking capacity (ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value42 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit163 AUU/CSA ratingsUU/CSA ratingsUU/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 A• at 600 V rated value0.5 hp• at 110/120 V rated value0.5 hp- at 110/120 V rated value2 hp• for 3-phase AC motor		
operating short-circuit current breaking capacity (Ics) at AC• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value42 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit163 AUL/CSA ratingsTull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 A• at 480 V rated value12.5 A• at 600 V rated value12.5 A• at 100/120 V rated value12.5 A• at 110/120 V rated value2 hp• for single-phase AC motor		
<ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>4 kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>163 A</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>12.5 A</li> <li>at 600 V rated value</li> <li>12.5 A</li> <li>at 600 V rated value</li> <li>12.5 A</li> </ul> </li> <li>of or single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>0.5 hp</li> <li>at 230 V rated value</li> <li>2 hp</li> </ul> </li> <li>of or 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 220/230 V rated value</li> <li>3 hp</li> <li>at 460/480 V rated value</li> <li>4 hp</li> <li>at 60/480 V rated value</li> <li>bp</li> <li>at 4575/600 V rated value</li> <li>10 hp</li> </ul> </li> </ul>		6 kA
• at 400 V rated value         100 kA           • at 500 V rated value         42 kA           • at 690 V rated value         4 kA           response value current of instantaneous short-circuit trip unit         163 A           UL/CSA ratings           UL/CSA ratings           full-load current (FLA) for 3-phase AC motor         12.5 A           • at 480 V rated value         12.5 A           • at 600 V rated value         12.5 A           • at 600 V rated value         12.5 A           • at 600 V rated value         0.5 hp           - at 110/120 V rated value         0.5 hp           - at 230 V rated value         0.5 hp           - at 200/208 V rated value         3 hp           - at 200/208 V rated value         3 hp           - at 460/480 V rated value         3 hp           - at 460/480 V rated value         8 hp           - at 575/600 V rated value         10 hp		
at 500 V rated value42 kA• at 500 V rated value4 kAresponse value current of instantaneous short-circuit trip unit163 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 460/480 V rated value3 hp- at 460/480 V rated value10 hp		
• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit163 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 A• at 600 V rated value12.5 Ayielded mechanical performance [hp]0.5 hp- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 460/480 V rated value8 hp- at 575/600 V rated value10 hp		
response value current of instantaneous short-circuit trip unit163 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 Ayielded mechanical performance [hp]12.5 A• for single-phase AC motor0.5 hp- at 110/120 V rated value2 hp• for 3-phase AC motor3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 60/480 V rated value8 hp- at 60/480 V rated value10 hp		
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       12.5 A         • at 600 V rated value       12.5 A         yielded mechanical performance [hp]       12.5 A         • for single-phase AC motor       0.5 hp         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       8 hp         - at 575/600 V rated value       10 hp		4 kA
full-load current (FLA) for 3-phase AC motor• at 480 V rated value12.5 A• at 600 V rated value12.5 Ayielded mechanical performance [hp]-• for single-phase AC motor0.5 hp at 110/120 V rated value0.5 hp at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp at 220/230 V rated value3 hp at 460/480 V rated value8 hp at 575/600 V rated value10 hp	· · · ·	163 A
• at 480 V rated value       12.5 A         • at 600 V rated value       12.5 A <b>yielded mechanical performance [hp]</b> -         • for single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       10 hp	UL/CSA ratings	
• at 600 V rated value       12.5 A         yielded mechanical performance [hp]       -         • for single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       8 hp         - at 575/600 V rated value       10 hp	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]• for single-phase AC motor0.5 hp- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 460/480 V rated value8 hp- at 575/600 V rated value10 hp	• at 480 V rated value	12.5 A
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>0.5 hp</li> </ul> </li> <li>at 230 V rated value</li> <li>2 hp</li> </ul> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 220/230 V rated value</li> <li>3 hp</li> <li>at 460/480 V rated value</li> <li>8 hp</li> <li>at 575/600 V rated value</li> </ul> </li>	• at 600 V rated value	12.5 A
- at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 220/230 V rated value8 hp- at 460/480 V rated value10 hp	yielded mechanical performance [hp]	
	<ul> <li>for single-phase AC motor</li> </ul>	
for 3-phase AC motor		
at 200/208 V rated value3 hp at 220/230 V rated value3 hp at 460/480 V rated value8 hp at 575/600 V rated value10 hp		0.5 hp
	— at 110/120 V rated value	
— at 460/480 V rated value     8 hp       — at 575/600 V rated value     10 hp	— at 110/120 V rated value — at 230 V rated value	
- at 575/600 V rated value 10 hp	<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> </ul>	2 hp
	<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> </ul>	2 hp 3 hp
Short-circuit protection	<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> </ul>	2 hp 3 hp 3 hp
	<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <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> </ul>	2 hp 3 hp 3 hp 8 hp

elsign of the short-scircul tip)         regretcion           essign of the subs for T evolves for short-scircul essign of the subs for T evolves for the subs for T evolves for T evolv	product function short circuit protection	Yes		
protocino of the main circuit         gLigS 83 A           ••••••••••••••••••••••••••••••••••••		magnetic		
protocino of the main circuit         gLigS 83 A           ••••••••••••••••••••••••••••••••••••				
• at 800 YgLgG 80 Ahatalatour mounting drivensionsmounting positionanyfastening methodscow and snap-or mounting onto 35 mm DIN rail according to DIN EN 60715height97 mmvelution65 mmrequired spacing97 mmequired spacing0 mm- onowrados0 mm- onowrados30 mm- onowrados30 mm- onowrados30 mm- onowrados90 mm- onowrados90 mm- onowrados30 mm- upwada30 mm- backwada30 mm- backwada30 mm- backwada30 mm- backwada<				
• set 90 V• gugG 40 AInstallation/ mounting petitionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height97 mmvidth45 mmdepth97 mmrequired spacingor mm- downwards30 mm- upwards30 mm- downwards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- downwards30 mm- upwards30 mm- downwards30 mm- downwards50 mm- downwards50 mm- downwards60 mm- downwards50 mm-	• at 400 V	gL/gG 63 A		
Distribution mounting control         any           mounting position         any           fastening method         screw and snap-on mounting on 0.35 mm DIN rail according to DIN EN 80715           height         97 mm           required againg         97 mm           • with slob-by-side mounting at the side         0 mm           • for grounded parts at 400 V         -           - dortwards         30 mm           - upwards         30 mm           - at the side         9 mm           • for grounded parts at 400 V         -           - dortwards         30 mm           - upwards         30 mm           - at the side         9 mm           • for grounded parts at 500 V         -           - dortwards         30 mm           - upwards         30 mm	● at 500 V	gL/gG 50 A		
monitoring position         arry           fastaning method         serve an stop-on mounting onto 35 mm DNN rail according to DNN EN 60715           ineight         97 mm           vidth         45 mm           depth         97 mm           required spacing         intervision           intervision         30 mm           - downwards         30 mm           - downwards         30 mm           - upwards         50 mm	• at 690 V	gL/gG 40 A		
fashing methodsorew and samp on mounting onto 35 mm DIN rail according to DIN EN 60751width45 mmdepth97 mmrequired spacing- (with side Sp-side mounting at the side0 mm- downwards30 mm- downwards30 mm- upwards30 mm- upwards50 mm-	Installation/ mounting/ dimensions			
height97 mmwidth97 mmrequired spacing97 mmrequired spacing0 mm- of younded parts at 4:00 V0- of younwards30 mm- of younds30 mm- of younds30 mm- of younds parts at 500 V of younds parts at 500 V of younds30 mm- of younds30 mm <t< td=""><td>mounting position</td><td>any</td></t<>	mounting position	any		
width         45 mm           opth         97 mm           required spacing         97 mm           • with side-hy-side mounting at the side         0 mm           • of ory ounded parts at 400 V         9 mm           downwards         30 mm           upwards         30 mm           downwards         30 mm           downwards         30 mm           upwards         30 mm           downwards         30 mm           downwards         30 mm           - upwards         30 mm <td< td=""><td>fastening method</td><td>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</td></td<>	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
depth         97 mm           require spacing            • with side-by-side mounting at the side         0 mm           • of or grounded parts at 400 V            - downwards         30 mm           - upwards         30 mm           - at the side         9 mm           • of we parts at 4:00 V            - upwards         30 mm           - downwards         30 mm           - at the side         9 mm           - downwards         30 mm           - upwards         50 mm           - upwards         30 mm           - backwards         30 mm           - upwards         30 mm           - backwards	height	97 mm		
required spacing         omm           • with side-by-side mounting at the side         omm           • or grounded parts at 400 V         30 mm           - upwards         30 mm           - upwards         30 mm           - upwards         30 mm           - at the side         9 mm           • for live parts at 400 V         -           - downwards         30 mm           - at the side         9 mm           - at the side         9 mm           - downwards         30 mm           - upwards         30 mm           - forwards <td>width</td> <td>45 mm</td>	width	45 mm		
•with side-by-side mounting at the side0 mm• or grounded parts at 400 V30 mm• upwards30 mm• upwards30 mm• of the parts at 400 V-• downwards30 mm• upwards30 mm•	depth	97 mm		
• for grounded parts at 400 V30 mm- downwards30 mm- downwards30 mm- at the side90 mm- downwards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- downwards30 mm- at the side90 mm- upwards30 mm- upwards50 mm- for main current circut50 mm- upwards<	required spacing			
- downwards30 mm- upwards30 mm- upwards30 mm- of rive parts at 40 V downwards30 mm- upwards30 mm- upwards30 mm- at the side9 mm- of or wonde parts at 50 V downwards30 mm- upwards30 mm- upwards50 mm<	<ul> <li>with side-by-side mounting at the side</li> </ul>	0 mm		
	<ul> <li>for grounded parts at 400 V</li> </ul>			
	— downwards	30 mm		
• for live parts at 400 V     • downwards       • downwards     30 mm       • upwards     30 mm       • at the side     9 mm       • downwards     30 mm       • upwards     30 mm       • downwards     50 mm       • downwards     50 mm       • downwards     0 mm       • for gounded parts at 600 V     50 mm       • downwards     0 mm       • downwards     50 mm       • downards     50 mm       • for live parts at 600 V     50 mm	— upwards	30 mm		
- downards30 mm- upwards30 mm- upwards30 mm- downwards at 500 V downwards30 mm- upwards30 mm- upwards50 mm- downwards50 mm- downwards50 mm- downwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- words0 mm- backwards0 mm- backwards2 (0.7525 mm <sup>2</sup> )-	— at the side	9 mm		
upwards30 mmat the side9 mmdownwards30 mmupwards30 mmupwards9 mmdownwards9 mmdownwards30 mmdownwards30 mmupwards30 mmupwards30 mmupwards9 mmupwards90 mm	• for live parts at 400 V			
	— downwards	30 mm		
• for grounded parts at 500 V·- downwards30 mm- upwards30 mm- at the side9 mm• for live parts at 500 V·- upwards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- upwards50 mm- downwards60 mm- upwards60 mm- upwards00 mm- upwards00 mm- upwards00 mm- upwards00 mm- upwards00 mm- backwards00 mm- for live parts at 600 V·- downwards50 mm- for live parts at 600 V·- downwards50 mm- for live parts at 600 V·- downwards50 mm- for live parts at 600 V·- downwards0 mm- downwards0 mm- downwards0 mm- upwards00 mm- downwards0 mm- downwards0 mm- for ania current circuitTop and bottom- for main current circuitTop and bottom- for main current circuit2x (0.7525 mm²), 2x 4 mm²- for main contacts2x (0.7525 mm²), 2x 4 mm²- for main contacts0 8	— upwards	30 mm		
- downwards         30 mm           - upwards         30 mm           - at the side         9 mm           - downwards         30 mm           - upwards         50 mm           - upwards         50 mm           - upwards         0 mm           - upwards         50 mm           - upwards         0 mm           - upwards         50 mm           - at the side         30 mm           - for live parts at 600 V         -           - downwards         50 mm           - downwards         50 mm           - backwards         0 mm           - backwards         0 mm           - backwards         0 mm           - otomwards         30 mm           - backwards         0 mm           - backwards         0 mm           - otomacticati         50 mm           - otomacticati         50 mm	— at the side	9 mm		
upwards30 mm at the side9 mm ourwards30 mm upwards30 mm upwards9 mm upwards9 mm at the side9 mm ourwards50 mm upwards50 mm upwards50 mm upwards0 mm otriver at 690 V0 mm otriver at 60 N0 mm otriver at main contacts0 mm otriver at 70 N2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>	<ul> <li>for grounded parts at 500 V</li> </ul>			
- at the side9 mm• for live parts at 500 V downwards30 mm- upwards30 mm- at the side9 mm• for grounded parts at 680 V downwards50 mm- upwards0 mm- backwards0 mm- backwards0 mm- for live parts at 680 V30 mm- at the side30 mm- backwards0 mm- for live parts at 680 V downwards50 mm- for live parts at 680 V for live parts at 680 V downwards50 mm- not marks0 mm- downwards50 mm- upwards50 mm- upwards50 mm- backwards0 mm- backwards0 mm- at the side30 mm- backwards0 mm- for main current circuitscreew-type terminals- for main current circuitscreew-type terminals- for main current circuitscreew-type terminals- for main contacts2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )- for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - for main contacts2x (0.5 15 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> <td>— downwards</td> <td>30 mm</td>	— downwards	30 mm		
<ul> <li>• for live parts at 500 V</li> <li>- downwards</li> <li>- upwards</li> <li>- upwards</li> <li>- upwards</li> <li>- upwards</li> <li>- downwards</li> <li>- downwards</li> <li>- downwards</li> <li>- upwards</li> <li>- notwards</li> <li>- upwards</li> <li>- notwards</li> <li>- notwards</li></ul>	— upwards	30 mm		
- downwards30 mm- upwards30 mm- at the side90 mm- downwards50 mm- upwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- forwards50 mm- downwards50 mm- downwards50 mm- forwards0 mm- the side30 mm- the side50 mm- upwards50 mm- upwards0 mm- upwards0 mm- upwards0 mm- the side30 mm- backwards0 mm- forwards0 mm- forwardsscrew-type terminals- forwardsscrew-type terminals- forwardsscrew-type terminals- forwardsscrew-type terminals- for main contactsscrew-type term	— at the side	9 mm		
	<ul> <li>for live parts at 500 V</li> </ul>			
- at the side     9 mm       - downwards     50 mm       - upwards     50 mm       - upwards     0 mm       - backwards     0 mm       - at the side     0 mm       - forwards     50 mm       - upwards     50 mm       - upwards     50 mm       - upwards     50 mm       - upwards     50 mm       - backwards     0 mm       - backwards     0 mm       - backwards     0 mm       - backwards     0 mm       - forwards     0 mm       - forwards     0 mm       - forwards     0 mm       - forwards     0 mm       - formain current circuit     screw-type terminals       remainement of electrical connectors for main current     Top and bottom       efor main contacts     2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - solid or stranded     2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - forwards     0.8 1.2 Nm       design of screwdriver shaft     Diameter 5 to 6 mm       size of the screwdriver shaft     Diameter 5 to 6 mm       size of the	— downwards	30 mm		
• for grounded parts at 690 VS0 mm- downwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- downwards50 mm- downwards50 mm- downwards50 mm- upwards50 mm- backwards0 mm- for main current circuitscrew-lype terminalsrarangement of electrical connectors for main current circuitscrew-lype terminals• for main contract suff or cross-sections • for main contacts2x (0.75 2,5 mm²), 2x 4 mm²- solid or stranded2x (0.75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.75 2,5 mm²), 2x 4 mm²• for main contacts2x (0.75 2,5 mm²), 2x 4 mm²• for main contacts with screw-type terminals0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·m• for main contacts with screw-type terminalsJameter 5 to 6 mm• for main contacts with screw-type terminals0.8 1.2 N·m• for main contactsWith screw tip• for main contactsWith screw tip• for main contactsMith screw tip• for main contactsMi	— upwards	30 mm		
- downwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- forwards0 mm- downwards50 mm- downwards50 mm- upwards50 mm- upwards0 mm- backwards0 mm- at the side30 mm- at the side30 mm- forwards0 mm- forwards10 mm- forwards10 mm- forwards2 mm- forwards2 (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0,75 2,5 mm²), 2x 4 mm²- for AWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for AWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for AWG cables for with screw-type terminals0.8 1.2 Nm- design of screwdriver shaftDiameter 5 to 6 mm- size of the screwdriver shaftDiameter 5 to 6 mm- size of the screwdriver shaftDiameter 5 to 6 mm- for main contactsM3Safety related data <t< td=""><td>— at the side</td><td>9 mm</td></t<>	— at the side	9 mm		
- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm• for live parts at 600 V0- downwards50 mm- downwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- at the side30 mm- forwards0 mm- at the side0 mm- forwards0 mm- forwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- for main current circuitscrew-type terminalstype of electrical connectors for main current circuitTop and bottomtype of onnectable conductor cross-sections • for main contactsTop and bottom- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- solid or stranded2x (0,5 1,5 mm²), 2x 4 mm²- for wain contacts2x (18 14), 2x 12tightening torque • for main contacts with screw-type terminals0.8 12 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipM3Safety related dataM3	<ul> <li>for grounded parts at 690 V</li> </ul>			
	— downwards	50 mm		
- at the side30 mm- forwards0 mm• for live parts at 690 V downwards50 mm- upwards50 mm- upwards0 mm- backwards0 mm- batkwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mmConnections/ Terminalsscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contactsTop and bottom• for wainded2x (0,75 2,5 mm²), 2x 4 mm²• for kyst cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for kyst cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for wain contacts2x (0,75 2,5 mm²), 2x 4 mm²• for wain contacts2x (0,75 2,5 mm²), 2x 4 mm²• for wain contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver tip0.8 1.2 N·mdesign of the tread of the connection screw • for main contactsM3Safety related data50 min screw	— upwards	50 mm		
forwards0 mm• for live parts at 690 V50 mm downwards50 mm upwards50 mm backwards0 mm backwards0 mm at the side30 mm forwards0 mm forwards0 mm forwards0 mm forwards0 mmConnections/ Terminalsscrew-type terminals for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottom• for main contacts	— backwards	0 mm		
• for live parts at 690 V50 mm- downwards50 mm- upwards50 mm- backwards0 mm- backwards30 mm- at the side30 mm- forwards0 mm- forwards0 mm- forwards0 mmConnections/ Terminals0 mmtype of electrical connectionscrew-type terminals• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottom• for main contacts- solid or stranded- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0,5 1,5 mm²), 2x 4 mm²• for wain contacts2x (0,75 2,5 mm²), 2x 4 mm²• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for kWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for kWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for main contacts with screw-type terminals0.8 1,2 N·mdesign of the screwdriver tipPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related data	— at the side	30 mm		
- downwards50 mm- upwards50 mm- backwards0 mm- backwards0 mm- at the side30 mm- forwards0 mmConnections/ Terminalstype of electrical connectorsof or main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuittype of connectable conductor cross-sectionsTop and bottom• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0,75 2,5 mm²), 2x 4 mm²• for AWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for AWG cables for main contacts0.8 12 N·m²• for anin contacts with screw-type terminals0.8 12 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver staftDiameter 5 to 6 mmsize of the screwdriver staftMit size 2design of the thread of the connection screw • for main contactsMit size 2	— forwards	0 mm		
- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mmConnections/ Terminalstype of electrical connection• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottom• for main contacts- for ab dottom• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for dottor cross-sections2x (0,75 2,5 mm²), 2x 4 mm²• for wild corte end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for AWG cables for main contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for AWG cables for main contacts0.8 12 N·m• for main contacts with screw-type terminals0.8 12 N·m• for main contactsM3Safety related dataM3	<ul> <li>for live parts at 690 V</li> </ul>			
backwards0 mm- at the side30 mm- forwards0 mmConnections/ Terminalstype of electrical connection• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottom• for main contacts- solid or stranded• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²• for AWG cables for main contacts2x (0,75 2,5 mm²), 2x (0.75 2,5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12• for main contacts with screw-type terminals0.8 1.2 N·m• for main contactsDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related data	— downwards	50 mm		
at the side30 mm forwards0 mmConnections/ TerminalsConnection (or main current circuit• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contactsTop and bottom• notice of stranded • notice of stranded2x (0,75 2,5 mm²), 2x 4 mm²• for AWG cables for main contacts2x (0,5 1,5 mm²), 2x (0.75 2,5 mm²)• for main contacts with screw-type terminals0.8 12, Nrm• for main contactsMaSafety related dataMa	— upwards	50 mm		
forwards     0 mm       Connections/ Terminals     screw-type terminals       type of electrical connection     screw-type terminals       arrangement of electrical connectors for main current circuit     Top and bottom       type of connectable conductor cross-sections     Top and bottom       • for main contacts     - solid or stranded       - solid or stranded     2x (0,75 2,5 mm²), 2x 4 mm²       - finely stranded with core end processing     2x (0,5 1,5 mm²), 2x (0.75 2,5 mm²)       • for AWG cables for main contacts     2x (18 14), 2x 12       tightening torque     0.8 1.2 N·m       • for main contacts with screw-type terminals     0.8 1.2 N·m       design of screwdriver shaft     Diameter 5 to 6 mm       size of the screwdriver tip     Pozidriv size 2       design of the thread of the connection screw     M3       • for main contacts     M3	— backwards			
Connections/ Terminals         type of electrical connection         • for main current circuit         arrangement of electrical connectors for main current circuit         type of connectable conductor cross-sections         • for main contacts         - solid or stranded         2x (0,75 2,5 mm²), 2x 4 mm²         - finely stranded with core end processing         2x (0,75 2,5 mm²), 2x 4 mm²         • for AWG cables for main contacts         2x (18 14), 2x 12         tightening torque         • for main contacts with screw-type terminals         0.8 1.2 N·m         design of screwdriver shaft         biage of the screwdriver tip         Pozidriv size 2         design of the thread of the connection screw         • for main contacts         M3		30 mm		
type of electrical connectionscrew-type terminalso for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sectionsof or main contacts• for main contacts- solid or stranded- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related dataEstimation of the thread of the connection screw		0 mm		
• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm² 2 x (0.75 2,5 mm²), 2x 4 mm² 2 x (0.75 2,5 mm²), 2x (0.75 2,5 mm²) 2 x (0.75 2,5 mm²) 2 x (18 14), 2x 12tightening torque • for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaft size of the screwdriver tipDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related data				
arrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contactsZx (0,75 2,5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2 x (18 14), 2x 12tightening torque • for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaft • for main contactsDiameter 5 to 6 mmsize of the screwdriver tip • for main contactsPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related dataM3	type of electrical connection			
circuit       interfact of the screwdriver tip         type of connectable conductor cross-sections       interfact of the screwdriver tip         of or main contacts       2x (0,75 2,5 mm²), 2x 4 mm²         ightening torque       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         of or main contacts with core end processing       2x (18 14), 2x 12         tightening torque       0.8 1.2 N·m         of the screwdriver shaft       Diameter 5 to 6 mm         size of the screwdriver tip       Pozidriv size 2         design of the thread of the connection screw       M3         sfor main contacts       M3				
type of connectable conductor cross-sections• for main contacts- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screw • for main contactsM3Safety related dataKate		Top and bottom		
solid or stranded2x (0,75 2,5 mm²), 2x 4 mm² finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screwM3sfor main contactsM3				
finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screwM3• for main contactsM3	for main contacts			
• for AWG cables for main contacts       2x (18 14), 2x 12         tightening torque       -         • for main contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 to 6 mm         size of the screwdriver tip       Pozidriv size 2         design of the thread of the connection screw       M3         • for main contacts       M3	— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²		
tightening torque     0.8       • for main contacts with screw-type terminals     0.8       design of screwdriver shaft     Diameter 5 to 6 mm       size of the screwdriver tip     Pozidriv size 2       design of the thread of the connection screw     M3       • for main contacts     M3	- finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
• for main contacts with screw-type terminals       0.8 1.2 N·m         design of screwdriver shaft       Diameter 5 to 6 mm         size of the screwdriver tip       Pozidriv size 2         design of the thread of the connection screw       M3         • for main contacts       M3	<ul> <li>for AWG cables for main contacts</li> </ul>	2x (18 14), 2x 12		
design of screwdriver shaft     Diameter 5 to 6 mm       size of the screwdriver tip     Pozidriv size 2       design of the thread of the connection screw     M3       safety related data     M3	tightening torque			
size of the screwdriver tip     Pozidriv size 2       design of the thread of the connection screw     M3       o for main contacts     M3       Safety related data	<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m		
design of the thread of the connection screw       • for main contacts       Safety related data	design of screwdriver shaft	Diameter 5 to 6 mm		
• for main contacts M3 Safety related data	size of the screwdriver tip	Pozidriv size 2		
Safety related data	design of the thread of the connection screw			
	for main contacts	M3		
product function suitable for safety function Yes	Safety related data			
	product function suitable for safety function	Yes		

suitability for use					
•	tchina on		No		
<ul> <li>safety-related switching on</li> <li>safety-related switching OFF</li> </ul>		Yes			
service life maximum			10 a		
test wear-related servi	ce life necessarv		Yes		
proportion of dangerou					
	rate according to SN 31	920	40 %		
	rate according to SN 3		50 %		
B10 value with high de			5 000		
failure rate [FIT] with lo			50 FIT		
31920		ing to on			
ISO 13849					
device type according	to ISO 13849-1		3		
overdimensioning acc	ording to ISO 13849-2	necessary	Yes		
IEC 61508					
safety device type acc	ording to IEC 61508-2		Туре А		
T1 value					
<ul> <li>for proof test inter 61508</li> </ul>	val or service life accord	ding to IEC	10 a		
Electrical Safety					
protection class IP on	the front according to	IEC 60529	IP20		
touch protection on th	e front according to IE	C 60529	finger-safe, for vertical contact	t from the front	
Display					
display version for switc	hing status		Handle		
Approvals Certificates					
	EG-Konf.		UK CA	UL	
General Product Approval	For use in hazardous	s locations	Test Certificates		Marine / Shipping
EHC	IECEx	K ATEX	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS
Marine / Shipping					other
BUREAU		Llovds Register urs	PRS	RINA	<u>Miscellaneous</u>
other		Railway		Environment	
<u>Confirmation</u>	DE	<u>Special Test Cer</u> <u>ate</u>	<u>tific- Confirmation</u>	EPD	Siemens EcoTech
Environment					
Environmental Con- firmations					

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RV2011-1KA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1KA10

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

https://supp rt.industry.siemens.com/cs/ww/en/ps/3RV2011-1KA10

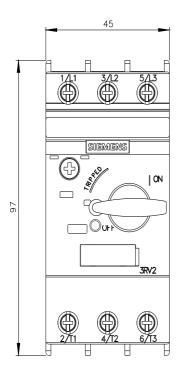
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-1KA10&lang=en

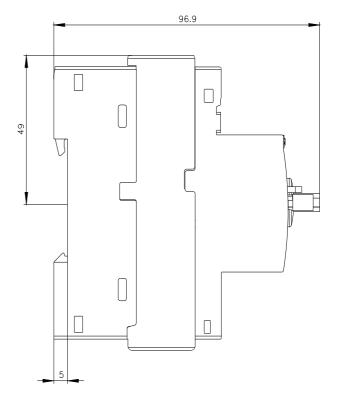
Characteristic: Tripping characteristics, I2t, Let-through current

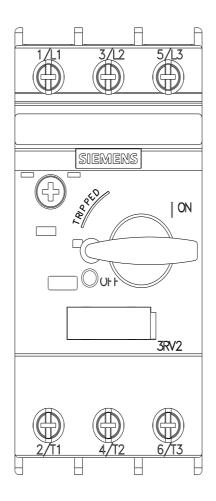
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1KA10/char

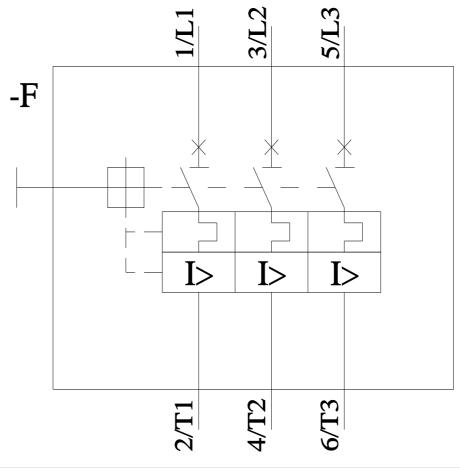
Further characteristics (e.g. electrical endurance, switching frequency)

earch&mlfb=3RV2011-1KA10&objecttype=14&gridview=view1 http://www.automation.siemens.com/bilddb/index.aspx?view=S









11/6/2024 🖸

Subject to change without notice © Copyright Siemens