SIEMENS

Data sheet 3RV2711-0JD10



Circuit breaker size S00 for system protection with approval circuit breaker UL 489, CSA C22.2 No.5-02 A-release 1 A N-release 13 A screw terminal Standard switching capacity

product brand name	SIRIUS		
product designation	Circuit breaker		
design of the product	For system protection according to UL 489/CSA C22.2 No. 5		
product type designation	3RV2		
General technical data			
size of the circuit-breaker	S00		
product extension auxiliary switch	Yes		
power loss [W] for rated value of the current			
 at AC in hot operating state 	5.5 W		
at AC in hot operating state per pole	1.8 W		
insulation voltage with degree of pollution 3 at AC rated value	690 V		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation in networks with grounded star point			
 between main and auxiliary circuit 	400 V		
between main and auxiliary circuit	400 V		
shock resistance acc. 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	100 000		
reference code acc. to IEC 81346-2	Q		
Substance Prohibitance (Date)	01.10.2009 00:00:00		
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		
temperature compensation	-20 +60 °C		
relative humidity during operation	10 95 %		
Main circuit			
number of poles for main current circuit	3		
operating voltage			
rated value	690 V		
at AC-3 rated value maximum	690 V		
operating frequency rated value	50 60 Hz		
operational current rated value	1 A		
operational current at AC-3 at 400 V rated value	1 A		

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operating power at AC-3	
• at 230 V rated value	0.18 kW
at 400 V rated value	0.25 kW
at 500 V rated value	0.37 kW
at 690 V rated value	0.55 kW
operating frequency at AC-3 maximum	15 1/h
	10 1/11
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
 ground fault detection 	No
phase failure detection	No
design of the overload release	thermal
breaking capacity operating short-circuit current (Ics) at AC	
• at 240 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
breaking capacity maximum short-circuit current (Icu)	
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 	100 kA
• at 480 AC Y/277 V acc. to UL 489 rated value	65 kA
response value current of instantaneous short-circuit trip unit	13 A
Short-circuit protection	
Short-circuit protection	
	Van
product function short circuit protection	Yes
design of the short-circuit trip design of the fuse link for IT network for short-circuit	Yes magnetic
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit	magnetic
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V	magnetic gL/gG 10 A
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V	magnetic
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions	magnetic gL/gG 10 A gL/gG 10 A
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position	magnetic gL/gG 10 A gL/gG 10 A any
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm 97 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm 97 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm 97 mm
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V	magnetic gL/gG 10 A gL/gG 10 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm
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• for grounded parts at 690 V		
— downwards	70 mm	
— upwards	70 mm	
— backwards	0 mm	
— at the side	30 mm	
— forwards	0 mm	
• for live parts at 690 V	O IIIIII	
— downwards	70 mm	
— upwards	70 mm	
— upwards — backwards	0 mm	
— at the side	30 mm	
— forwards	0 mm	
Connections/ Terminals	O HIIII	_
product component removable terminal for auxiliary	No	
and control circuit		
type of electrical connection		
for main current circuit	screw-type terminals	
arrangement of electrical connectors for main current circuit	Top and bottom	
type of connectable conductor cross-sections		
 for main contacts 		
— solid or stranded	1 10 mm², max. 2x 10 mm²	
 finely stranded with core end processing 	1 16 mm², max. 6 + 16 mm²	
at AWG cables for main contacts	2x (14 10)	
tightening torque		
 for main contacts with screw-type terminals 	2.5 3 N·m	
design of screwdriver shaft	Diameter 5 to 6 mm	
size of the screwdriver tip	Pozidriv 2	
design of the thread of the connection screw		
for main contacts	M4	
Safety related data		
B10 value		
 with high demand rate acc. to SN 31920 	5 000	
proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	50 %	
 with high demand rate acc. to SN 31920 	50 %	
failure rate [FIT]		
with low demand rate acc. to SN 31920	50 FIT	
T1 value for proof test interval or service life acc. to IEC 61508	10 y	
protection class IP on the front acc. to IEC 60529	IP20	
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front	
display version for switching status	Handle	
Certificates/ approvals		
General Product Approval		Declaration of Conformity









Declaration of Conformity

Test Certificates

Marine / Shipping



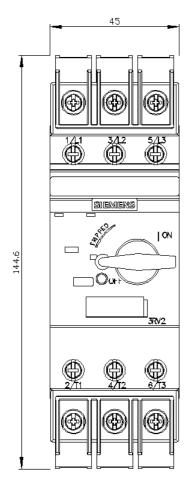


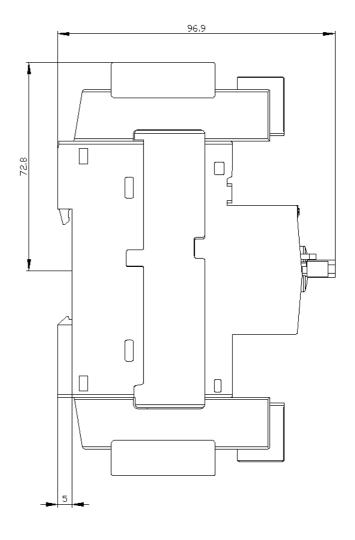


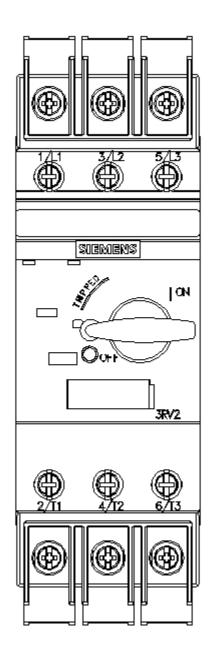


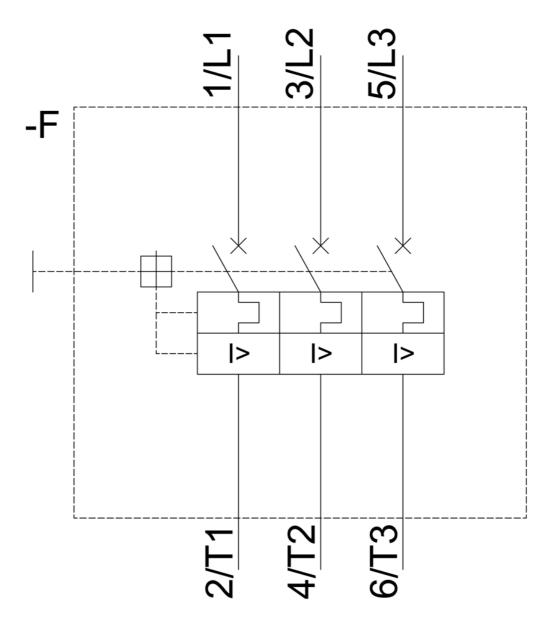


Further information









last modified: 2/5/2021 🖸