SIEMENS

Data sheet 3RV1011-0KA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.9...1.25 A N-release 16 A Screw terminal Standard switching capacity

product designation design of the product product type designation 3RV1 General technical data size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch 4 yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit • of auxiliary contacts typical • of auxiliary contacts typical • of auxiliary contacts typical type of protection according to ATEX directive 2014/34/EU 2014/34/EU 2014/34/EU 2014/34/EU **emperature complete during storage • ambient temperature during operation • ambient temperature during operation • ambient temperature during storage •	product brand name	SIRIUS
product type designation General technical data size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point between main and auxiliary circuit between main and auxiliary circuit between main and auxiliary circuit of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage ambient temperature during storage ambient temperature during storage ambient temperature during transport temperature compensation relative humidity during operation adjustable current response value current of the 3 adjustable current response value current of the	product designation	Circuit breaker
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • of the main contacts typical • of auxiliary contacts typical lelectrical endurance (switching cycles) (switching cycles) (switching cycles) (typical electrical endurance (switching cycles) (typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport -50 +80 °C -10 +80 °C -11 +80 °C -12 +80 °C -13 +80 °C -14 +80 °C -15 +80 °C -16 +80 °C -17 +80 °C -18 +80 °C -19 +80 °C -19 +80 °C -20 +80 °C	design of the product	For motor protection
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main contacts typical • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 2014/34/EU reference code acc. to IEC 81346-2 2014/34/EU ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport temperature compensation relative humidity during operation allow on the conditions relative humidity during operation 100 000 200 0	product type designation	3RV1
size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state	General technical data	
product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state per pole at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point between main and auxiliary circuit between main contacts typical of auxiliary contacts typical of auxiliary contacts typical loud 000 electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 20	size of the circuit-breaker	S00
power loss [W] for rated value of the current • at AC in hot operating state	size of contactor can be combined company-specific	S00
at AC in hot operating state at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point between main and auxiliary circuit between main and auxiliary circuit of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum ambient temperature during torage ambient temperature during storage ambient temperature during transport temperature compensation relative humidity during operation and in circuit 1.8 W 690 V 400 V 40	product extension auxiliary switch	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value surge voltage resistance rated value 6 kV maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit • of the main contacts typical • of the main contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • 50 +80 °C temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the 1.8 W 690 V 68V 400 V	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit • of the main contacts typical • of auxiliary contacts typical • por protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport -50 +80 °C • ambient temperature during transport -20 +60 °C • ambient temperature during operation • 20 +60 °C • ambient temperature during transport -50 +80 °C temperature compensation relative humidity during operation -20 +60 °C -30 +60 °C -30 +60 °C -40 +60 °C -50 +80 °C -70 +80 °C	 at AC in hot operating state 	5.5 W
value surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • of the main contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • ambient temperature during transport • ambient temperature during transport temperature compensation relative humidity during operation 10 000 6 kV 400 V	at AC in hot operating state per pole	1.8 W
maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical 100 000 electrical endurance (switching cycles) typical 100 000 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • 50 +80 °C • ambient temperature during transport • 50 +80 °C relative humidity during operation • 20 +60 °C relative humidity during current circuit number of poles for main current circuit adjustable current response value current of the	0 0 1	690 V
networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit ### doo v **between main and auxiliary circuit ### doo v ### mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical 100 000 electrical endurance (switching cycles) typical 100 000 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport -50 +80 °C • ambient temperature during transport -50 +60 °C relative humidity during operation 20 +60 °C relative humidity during operation 3 adjustable current response value current of the 400 V	surge voltage resistance rated value	6 kV
between main and auxiliary circuit mechanical service life (switching cycles) of the main contacts typical of auxiliary contacts typical lelectrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum o ambient temperature during operation o ambient temperature during storage o ambient temperature during transport of and an auxiliary circuit number of poles for main current circuit adjustable current response value current of the one of the main contacts typical 100 000 Ex II (2) GD DMT 02 ATEX F 001 DMT 02 ATEX F 001 2 000 m 2 000 m 2 000 m 2 000 m 3 000 m 3 000 m 4 000 m 4 000 m 4 000 m 5 000 m 4 000 m 4 000 m 5 000 m 6 000 m 6 000 m 6 000 m 7 000 m 7 000 m 8 000 m 9		
mechanical service life (switching cycles) of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum output ambient temperature during operation output ambient temperature during transport output ambient temperature during transport temperature compensation relative humidity during operation number of poles for main current circuit adjustable current response value current of the 100 000 EX II (2) GD DMT 02 ATEX F 001 DMT 02 ATEX F 001 2 000 m 2 000 m - 200 +60 °C - 300 +60 °C - 400 +60 °C - 400 +80 °C - 400 +80 °C - 50 +80 °C - 400 °C -	 between main and auxiliary circuit 	400 V
of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum o ambient temperature during operation o ambient temperature during storage o ambient temperature during transport temperature compensation relative humidity during operation number of poles for main current circuit adjustable current response value current of the 100 000 Ex II (2) GD DMT 02 ATEX F 001 2 000 m 3 000 m 3 000 m 4 00 °C 4	 between main and auxiliary circuit 	400 V
of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the 100 000 Ex II (2) GD DMT 02 ATEX F 001 20 00 0 0 0 0 0 0 0 0 0 0 0 0	mechanical service life (switching cycles)	
electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • ambient temperature during transport -50 +80 °C • ambient temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the	 of the main contacts typical 	100 000
type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • ambient temperature during transport -50 +80 °C • ambient temperature 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 adjustable current response value current of the	 of auxiliary contacts typical 	100 000
2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • ambient temperature during transport -50 +80 °C temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the	electrical endurance (switching cycles) typical	100 000
reference code acc. to IEC 81346-2 Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport -50 +80 °C • ambient temperature 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 adjustable current response value current of the		Ex II (2) GD
installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during storage • ambient temperature during transport • 50 +80 °C • ambient temperature 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 adjustable current response value current of the 0.9 1.25 A		DMT 02 ATEX F 001
installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature during transport • ambient temperature 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 adjustable current response value current of the 0.9 1.25 A	reference code acc. to IEC 81346-2	Q
 ambient temperature during operation ambient temperature during storage ambient temperature during transport -50 +80 °C ambient temperature 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 adjustable current response value current of the 0.9 1.25 A 	Ambient conditions	
 ambient temperature during storage ambient temperature during transport ambient temperature during storage amb	installation altitude at height above sea level maximum	2 000 m
● ambient temperature 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 adjustable current response value current of the 0.9 1.25 A	 ambient temperature during operation 	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the 0.9 1.25 A	 ambient temperature during storage 	-50 +80 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 adjustable current response value current of the 0.9 1.25 A	 ambient temperature during transport 	-50 +80 °C
Main circuit number of poles for main current circuit adjustable current response value current of the 0.9 1.25 A	temperature compensation	-20 +60 °C
number of poles for main current circuit adjustable current response value current of the 0.9 1.25 A	relative humidity during operation	10 95 %
adjustable current response value current of the 0.9 1.25 A	Main circuit	
	number of poles for main current circuit	3
		0.9 1.25 A

 operating voltage rated value 	690 V
operating voltage at AC-3 rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	1.25 A
operational current at AC-3 at 400 V rated value	1.25 A
operating power at AC-3	
 at 230 V rated value 	180 W
at 400 V rated value	370 W
at 500 V rated value	550 W
at 690 V rated value	750 W
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
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 operating short-circuit current (lcs) 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	2 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 	2 kA
response value current of instantaneous short-circuit trip unit	16 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	1.25 A
 at 600 V rated value 	1.25 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
 — at 460/480 V rated value 	0.5 hp
 at 575/600 V rated value 	0.5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
	none required
protection of the main circuit • at 240 V	none required
protection of the main circuit • at 240 V • at 400 V	gL/gG 20 A
protection of the main circuit • at 240 V	gL/gG 20 A gL/gG 16 A
protection of the main circuit at 240 V at 400 V at 500 V at 690 V	gL/gG 20 A
protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions	gL/gG 20 A gL/gG 16 A gL/gG 16 A
protection of the main circuit at 240 V at 400 V at 500 V at 690 V	gL/gG 20 A gL/gG 16 A gL/gG 16 A
protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position	gL/gG 20 A gL/gG 16 A gL/gG 16 A
protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail
protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm
protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm
protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm
protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	gL/gG 20 A gL/gG 16 A gL/gG 16 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm



— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
 for live parts at 500 V 	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
 for live parts at 690 V 	
downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
product function removable terminal for auxiliary and	No
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	
	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
• for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for main contacts — solid or stranded	
for main contacts— solid or stranded— finely stranded with core end processing	
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections	
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 %
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT]	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 %
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] • with low demand rate acc. to SN 31920	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 % 50 FIT
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] • with low demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 % 50 FIT IP20
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] • with low demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 % 50 FIT IP20 finger-safe, for vertical contact from the front
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] • with low demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 display version for switching status	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 % 50 FIT IP20
for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • tightening torque for main contacts with screw-type terminals • tightening torque for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] • with low demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv 2 M3 5 000 50 % 50 % 50 FIT IP20 finger-safe, for vertical contact from the front















Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous



Type Test
Certificates/Test
Report

Special Test Certificate





Marine / Shipping









Miscellaneous

other

Confirmation

other

Railway



Special Test Certificate

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=3RV1011-0KA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0KA10

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0KA10

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0KA10\&lang=en}}$

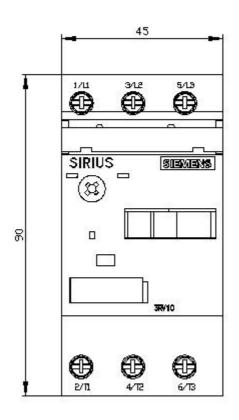
Characteristic: Tripping characteristics, I²t, Let-through current

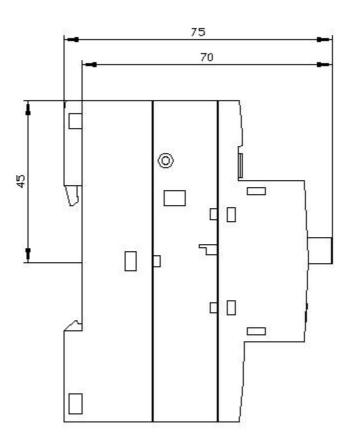
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0KA10/char

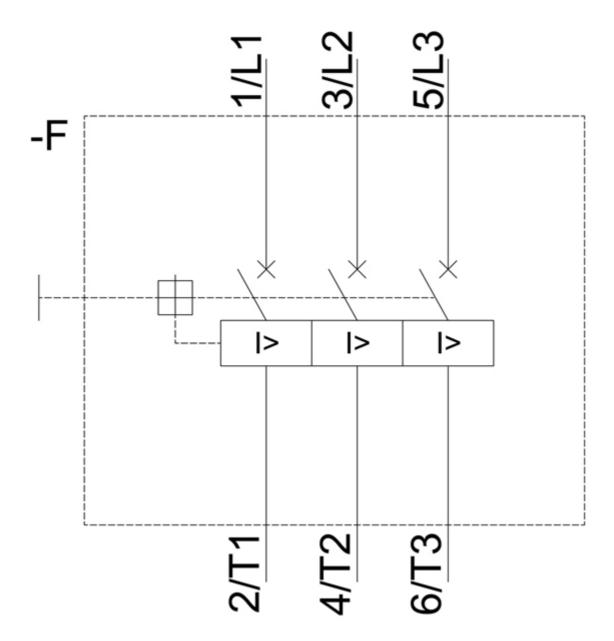
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0KA10&objecttype=14&gridview=view1









last modified: 12/15/2020 ☑