# **SIEMENS**

Data sheet 3RV1011-0JA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.7...1 A N-release 13 A Screw terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
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)	01/01/2013
SVHC substance name	Lead - 7439-92-1
Weight	0.23 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
during storage	-50 +80 °C
during transport	-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 current- dependent overload release	0.7 1 A
type of voltage for main current circuit	AC
operating voltage	
• rated value	20 690 V
• at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	1 A
operational current	

	4.0
at AC-3 at 400 V rated value	1.4
at AC-3e at 400 V rated value	1 A
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
• at AC-3e	
— 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
at AC-3e maximum	15 1/h
Auxiliary circuit	
type of voltage for auxiliary and control circuit	AC/DC
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	U .
product function	No
ground fault detection	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	
<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
<ul> <li>at AC at 500 V rated value</li> </ul>	100 kA
at AC at 690 V rated value	100 kA
operating short-circuit current breaking capacity (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
response value current of instantaneous short-circuit trip unit	13 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1A
at 600 V rated value     at 600 V rated value	1A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
•	0.5 hp
— at 575/600 V rated value	0.5 hp
Short-circuit protection	Ves
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	
• at 240 V	none required
• at 500 V	gG 10 A
• at 690 V	gG 10 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	90 mm
width	45 mm
depth	75 mm
required spacing	
• for grounded parts at 400 V	
● IOI grounded parts at 400 V	

downwards		•
at the side for ive parts at 400 V downwards at the side for younded parts at 500 V downwards at the side to younded parts at 500 V downwards upwards upwards upwards at the side younds at the side upwards at the side upwards at the side upwards at the side upwards at the side at		
• for live paths at 400 V — downwards — upwards — of promoted paths at 600 V — downwards — upwards — upwards — at the side — or live paths at 500 V — downwards — upwards — or live live at 500 V — downwards — upwards — at the side • for grounded paths at 600 V — downwards — upwards — upwards — at the side • for grounded paths at 600 V — downwards — upwards — at the side • for grounded paths at 600 V — downwards — upwards — at the side • for grounded paths at 600 V — downwards — upwards — beckvards — at the side • pmm — at the side • pmm — at the side — beckvards — or man • for the paths at 600 V — downwards — upwards • be the paths at 600 V — downwards — upwards • for me paths at 600 V — downwards — upwards • for me paths at 600 V — downwards — upwards • for the paths at 600 V — downwards — upwards • beckvards — one — at the side — pmm — the side — beckvards — at the side — beckvards — at the side — beckvards — at the side — forwards — and or stranded — for auxiliary contacts — for au	— upwards	20 mm
downwards upwards at the side upwards at the side or	— at the side	9 mm
- upwards	<ul> <li>for live parts at 400 V</li> </ul>	
■ at the side	— downwards	20 mm
■ at the side	— upwards	20 mm
• for grounded parts at 500 V		9 mm
downwards at the side of the parts at 500 V downwards at the side of the parts at 500 V downwards at the side of the parts at 500 V downwards at the side of the parts at 500 V downwards upwards upwards upwards upwards of the side o		
upwards		20 mm
at the side   9 mm		
• for live parts at 500 V		
downwards upwards upwards at the side or grounded parts at 690 V downwards upwards upwards upwards upwards upwards backwards upwards the side forwards or man at the side forwards downwards downwards downwards or man at the side upwards downwards upwards u		9 mm
upwards	·	
at the side 9 mm or grounded parts at 690 V downwards 20 mm upwards 20 mm backwards 9 mm forwards 0 mm forwards 0 mm forwards 20 mm forwards 0 mm forwards 20 mm forwards 20 mm forwards 20 mm downwards 20 mm downwards 20 mm upwards 9 mm at the side 9 mm backwards 0 mm at the side 9 mm towards 0 mm at the side 9 mm forwards 0 mm forwards 0 mm forwards 10 mm for formin contacts 10 mm for side conductor cross-sections for for side conductor forwards 10 mm for side or stranded 10 mm for side or stranded 10 mm finely stranded with core end processing 10 mm finely stranded with core end processing 10 mm finely stranded with core end processing 10 mm finely stranded 10 mm	— downwards	20 mm
• for grounded parts at 690 V	— upwards	20 mm
- downwards	— at the side	9 mm
- upwards - backwards - 0 mm	<ul> <li>for grounded parts at 690 V</li> </ul>	
	— downwards	20 mm
	— upwards	20 mm
at the side forwards	•	
- for live parts at 690 V - downwards - upwards - upwards - backwards - the side - forwards - for main current circuit arrangement of electrical connection • for main contacts - solid or stranded - finely stranded with core end processing - solid or stranded - solid or stranded - solid or stranded - for auxiliary contacts • for main contacts - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - solid or stra		
■ for live parts at 690 V     ■ downwards     ■ upwards     ■ backwards     ■ at the side     ■ forwards     ■ for main contents     ■ for auxiliary contacts with screw-type terminals  1 type of connectable conductor cross-sections     ■ for auxiliary contacts     ■ solid or stranded     ■ for auxiliary contacts     ■ solid or stranded     ■ for auxiliary contacts     ■ solid or stranded     ■ for auxiliary contacts     ■ for main contacts     ■ solid or stranded     ■ for auxiliary contacts     ■ solid or stranded     ■ for auxiliary contacts     ■ for final for stranded     ■ for auxiliary contacts     ■ for main contacts with screw-type terminals     ■ for auxiliary contacts     ■ for final for stranded     ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts      ■ for auxiliary contacts      ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts      ■ for auxiliary contacts      ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts      ■ for auxiliary contacts      ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts      ■ for auxiliary contacts      ■ for auxiliary contacts      ■ for auxiliary contacts with screw-type terminals     ■ for auxiliary contacts      ■ for auxiliary		
- downwards		Ullilli
- upwards - backwards 0 mm - backwards 0 mm  Onme  - at the side - forwards 0 mm  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 - finely stranded with core end processing type of connectable conductor cross-sections • for awailiary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for availiary contacts - solid or stranded  - for one stable conductor cross-sections • for awailiary contacts - solid or stranded  - for main contacts with screw-type terminals • for availiary contacts with screw-type terminals • for availiary contacts with screw-type terminals • for availiary contacts with screw-type terminals • for for availiary contacts with screw-ty	·	
	— downwards	
at the side — forwards 0 mm  Connections/ Torminals  Type of electrical connection • for main current circuit screw-type terminals arrangement of electrical connectors for main current circuit Top and bottom  if or main contacts solid or stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) finely stranded with core end processing 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)  type of connectable conductor cross-sections • for auxiliary contacts solid or stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)  type of connectable conductor cross-sections • for auxiliary contacts solid or stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)  tightening torque • for main contacts with screw-type terminals • for auxiliary contacts  M3  Saty related data  product function suitable for safety function  Yes  suitability for use • safety-related switching of F  Yes  service life maximum  10 a  10	— upwards	20 mm
Connections/ Terminals  type of electrical connection  • for main current circuit  trype of connectable conductor cross-sections  • for main contacts  • for main contacts  • for main contacts  — solid or stranded — finely stranded with core end processing  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts with screw-type terminals  • for main contacts  M3  Safety related data  product function suitable for safety function  • safety-related switching on  • safety-related switching or  • safety-related switching or  • safety-related switching ors  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  solid with high demand rate according to SN 31920  solid with high demand rate according to SN 31920  ISO 13849	— backwards	0 mm
Connections/ Terminals       type of electrical connectors       a for main current circuit       type of connectable conductor cross-sections       • for main contacts       - solid or stranded       - solid or stranded with core end processing       - finely stranded with core end processing       - solid or stranded or auxiliary contacts       - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       type of connectable conductor cross-sections       • for auxiliary contacts       - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       type of connectable conductors 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     No       • for main contacts     M3       Safety-related data       product function suitable for safety function     Yes       suitability for use     • safety-related switching OFF       • safety-related switching OFF     Yes       service life maximum     10 a       test wear-related service life necessary     Yes       proportio	— at the side	9 mm
type of electrical connection	— forwards	0 mm
type of electrical connection	Connections/ Terminals	
• for main current circuit     arrangement of electrical connectors for main current circuit     type of connectable conductor cross-sections         • for main contacts		
arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections		ecraw tyna terminale
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  • for auxiliary contacts — solid or stranded  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals  • for main contacts with screw-type terminals  • for main contacts  M3  Safety related dotha  product function suitable for safety function  yes  • safety-related switching on • safety-related switching OFF  yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	arrangement of electrical connectors for main current	
• for main contacts  — solid or stranded — finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals  ize of the screwdriver tip  design of screwdriver tip  Pozidriv size 2  design of the thread of the connection screw • for main contacts  M3  Safety related data  product function suitable for safety function  Yes  suitability for use • safety-related switching on • safety-related switching OFF  Yes  service life maximum  10 a  test wear-related service life necessary  yes  proportion of dangerous failures • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849		
- solid or stranded - finely stranded with core end processing 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)  type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)  tightening torque • for main contacts with screw-type terminals • for auxiliary contacts  M3  Safety related data  product function suitable for safety function  Yes  suitability for use • safety-related switching on • safety-related switchi		
type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for main contacts  Diameter 5 to 6 mm  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  M3  Safety related data  product function suitable for safety function  • safety-related switching on  • safety-related switching OFF  yes  service life maximum  10 a  test wear-related service life necessary  yes  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849		0/0.5
type of connectable conductor cross-sections  • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  tightening torque • for main contacts with screw-type terminals • for auxiliary 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 • for main contacts  **Safety related data**  product function suitable for safety function **safety-related switching on • safety-related switching OFF **service life maximum* 10 a test wear-related service life necessary  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849		
• for auxiliary contacts — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  tightening torque • for main contacts with screw-type terminals • for auxiliary 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 • for main contacts M3  Safety related data  product function suitable for safety function Yes suitability for use • safety-related switching on • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 ISO 13849	·	2X (0.5 1.5 mm²), 2X (0.75 2.5 mm²)
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  M3  Safety related data  product function suitable for safety function  • safety-related switching on  • safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  50 FIT  31920  ISO 13849		
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m  design of screwdriver shaft  plaimeter 5 to 6 mm  size of the screwdriver tip  Pozidriv size 2  design of the thread of the connection screw  • for main contacts  M3  Safety related data  product function suitable for safety function  yes  suitability for use  • safety-related switching on  • safety-related switching OFF  yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  50 %  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	for auxiliary contacts	
for main contacts with screw-type terminals         of rauxiliary contacts with screw-type terminals         of auxiliary contacts with screw-type terminals         of screwdriver shaft	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for auxiliary contacts with screw-type terminals  design of screwdriver shaft  plameter 5 to 6 mm  size of the screwdriver tip  design of the thread of the connection screw     for main contacts  M3  Safety related data  product function suitable for safety function  safety-related switching on     safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures     with low demand rate according to SN 31920  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849   O M3  N3  N3  N6  N8  N8  N9  Ves  Yes  Yes  Proportion of dangerous failures  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	tightening torque	
for auxiliary contacts with screw-type terminals  design of screwdriver shaft  plameter 5 to 6 mm  size of the screwdriver tip  design of the thread of the connection screw     for main contacts  M3  Safety related data  product function suitable for safety function  safety-related switching on     safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures     with low demand rate according to SN 31920  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849   O M3  N3  N3  N6  N8  N8  N9  Ves  Yes  Yes  Proportion of dangerous failures  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
design of screwdriver shaft size of the screwdriver tip Pozidriv size 2  design of the thread of the connection screw of for main contacts M3  Safety related data product function suitable for safety function suitability for use of safety-related switching on safety-related switching or sarety-related switching OFF service life maximum 10 a  test wear-related service life necessary proportion of dangerous failures of with low demand rate according to SN 31920 with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849		0.8 1.2 N·m
size of the screwdriver tip  design of the thread of the connection screw  ofor main contacts  M3  Safety related data  product function suitable for safety function  suitability for use  osafety-related switching on safety-related switching OFF  yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  with low demand rate according to SN 31920  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	·	Diameter 5 to 6 mm
design of the thread of the connection screw  • for main contacts  M3  Safety related data  product function suitable for safety function  Yes  suitability for use  • safety-related switching on  • safety-related switching OFF  Yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849		
for main contacts      Safety related data  product function suitable for safety function      suitability for use	<u> </u>	
product function suitable for safety function  product function suitable for safety function  suitability for use  • safety-related switching on  • safety-related switching OFF  Yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  50 %  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	-	M3
product function suitable for safety function  suitability for use  • safety-related switching on • safety-related switching OFF  Yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  50 %  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849		WO
suitability for use  • safety-related switching on  • safety-related switching OFF  Yes  service life maximum  10 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849		V
<ul> <li>safety-related switching on</li> <li>safety-related switching OFF</li> <li>Yes</li> <li>service life maximum</li> <li>10 a</li> <li>test wear-related service life necessary</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>but high demand rate according to SN 31920</li> <li>B10 value with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> </ul>	<u> </u>	Yes
safety-related switching OFF     Yes  service life maximum     10 a  test wear-related service life necessary     Yes  proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	-	
service life maximum  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	<ul> <li>safety-related switching on</li> </ul>	No
test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	safety-related switching OFF	Yes
proportion of dangerous failures	service life maximum	10 a
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>B10 value with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> <li>40 %</li> <li>50 %</li> <li>50 FIT</li> </ul>	test wear-related service life necessary	Yes
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>B10 value with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> <li>40 %</li> <li>50 %</li> <li>50 FIT</li> </ul>	proportion of dangerous failures	
<ul> <li>with high demand rate according to SN 31920</li> <li>B10 value with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> <li>50 %</li> <li>50 FIT</li> </ul>		40 %
B10 value with high demand rate according to SN 31920 5 000  failure rate [FIT] with low demand rate according to SN 31920 50 FIT  ISO 13849		
failure rate [FIT] with low demand rate according to SN 31920 50 FIT SO 13849		
31920 ISO 13849		
ISO 13849		00111
active type according to too too to		3
	401.00 type 4000141119 to 100 10070-1	

overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Display	
display version for switching status	Rocker switch
Approvals Certificates	

## **General Product Approval**









<u>KC</u>



**General Product Ap**proval

For use in hazardous locations

**Test Certificates** 

Maritime application

**BIS CRS** 





Type Test Certificates/Test Report

**Special Test Certific-**<u>ate</u>



## Maritime application



Confirmation











other

**Miscellaneous** 



Special Test Certific-<u>ate</u>

Railway

**Environmental Confirmations** 

**Environment** 

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=3RV1011-0JA10

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV1011-0JA10}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0JA10

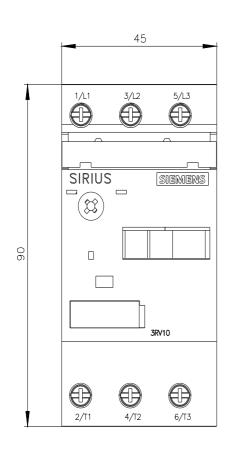
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

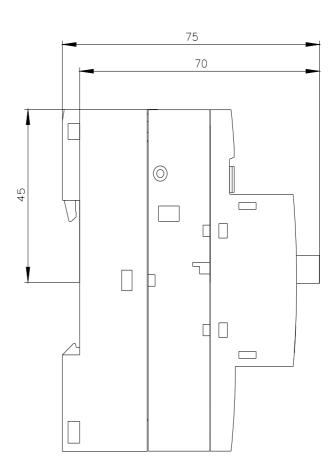
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-0JA10&lang=en

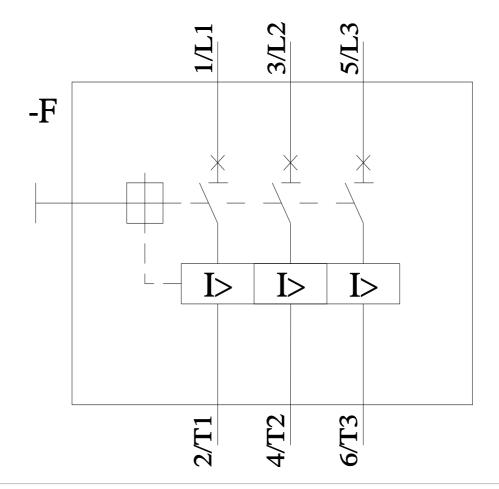
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0JA10/char

Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0JA10&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0JA10&objecttype=14&gridview=view1</a>







last modified:

5/26/2025

