## **SIEMENS**

Data sheet 3RV2011-1CA20



Circuit breaker size S00 for motor protection, CLASS 10 A-release 1.8...2.5 A N-release 33 A Spring-type 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>	7.25 W	
at AC in hot operating state per pole	2.4 W	
insulation voltage with degree of pollution 3 at AC rated value	690 V	
surge voltage resistance rated value	6 kV	
shock resistance according to IEC 60068-2-27	25g / 11 ms	
mechanical service life (switching cycles)		
<ul> <li>of the main contacts typical</li> </ul>	100 000	
of auxiliary contacts typical	100 000	
electrical endurance (switching cycles) typical	100 000	
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD	
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
<ul><li>during operation</li></ul>	-20 +60 °C	
<ul> <li>during storage</li> </ul>	-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	1.8 2.5 A	
operating voltage		
• rated value	20 690 V	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V	
• at AC-3e rated value maximum	690 V	

enerating frequency rated walks	E0 60 Hz
operating frequency rated value	50 60 Hz
operational current rated value	2.5 A
operational current  • at AC-3 at 400 V rated value	2.5 A
	2.5 A
at AC-3e at 400 V rated value	2.3 A
operating power  • at AC-3	
— at 230 V rated value	0.4 kW
— at 230 V rated value  — at 400 V rated value	0.4 kW
— at 400 V rated value	1.1 kW
— at 690 V rated value	1.5 kW
at AC-3e	1:5 KVV
— at 230 V rated value	0.4 kW
— at 400 V rated value	0.75 kW
— at 500 V rated value	1.1 kW
— at 690 V rated value	1.5 kW
operating frequency	1:5 KVV
• at AC-3 maximum	15 1/h
at AC-3 maximum     at AC-3e maximum	15 1/h
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  trip class	Yes CLASS 10
trip class	
design of the overload release breaking capacity maximum short-circuit current (Icu)	thermal
at AC at 240 V rated value	100 kA
at AC at 400 V rated value      at AC at 400 V rated value	100 KA
at AC at 400 V rated value      at AC at 500 V rated value	100 KA 100 kA
at AC at 500 V rated value      at AC at 690 V rated value	100 KA 10 kA
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	10 kA
response value current of instantaneous short-circuit trip	33 A
unit	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	2.5 A
at 600 V rated value	2.5 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 230 V rated value	0.17 hp
• for 3-phase AC motor	0.51
— at 200/208 V rated value	0.5 hp
— at 220/230 V rated value	0.5 hp
— at 460/480 V rated value	1 hp
— at 575/600 V rated value	1.5 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	
• at 400 V	gL/gG 25 A
♥ at TOO v	9090 20 A

# at 800 V gLigle 20 A  Installation mounting fulnerations mounting position  fastening method  any mounting position  fastening method  according to DIN EN 80715    45 mm	a at 500 V	al /aC 25 A
mounting position fastwining method screw and snap-on mounting onto 35 mm standard mounting rail secording to DN EN 69715 height width depth depth eight width 45 mm depth eight volumer and shape on mounting onto 35 mm standard mounting rail secording to DN EN 69715  for main current circuit respursed spacing eight eight width depth eight depth eight width depth eight depth eight depth eight depth eight depth eight dipth eight eight eight dipth eight ei	• at 500 V	gL/gG 25 A
mounting position   any   sate in my and   service and snap-on mounting onto 35 mm standard mounting rail   according to DIN EN 60715   width   45 mm   45 m		9L/9G 20 A
Assembling method   Screw and snap on mounting onto 35 mm standard mounting rail according to DN EN 60715   A5 mm	-	CDV
According to DIN EN 60715   Mom		·
width         45 mm           doph         97 mm           required spacing         97 mm           • for grounded parts at 400 V         30 mm           — upwards         30 mm           — at the side         9 mm           • for live parts at 400 V         30 mm           — upwards         30 mm           — at the side         9 mm           • for grounded parts at 500 V         9 mm           — downwards         30 mm           — upwards         30 mm           — the side         9 mm           • for live parts at 500 V         9 mm           — downwards         30 mm           — upwards         30 mm           — upwards         30 mm           — at the side         9 mm           • for grounded parts at 690 V         9 mm           — downwards         50 mm           — upwards         50 mm           — at the side         30 mm           — the side         30 mm		according to DIN EN 60715
depth   required spacing		
Tequired spacing		
• for grounded parts at 400 V	•	97 111111
upwards	-	30 mm
at the side   9 mm		
• for live parts at 40 0 V  — downwards — upwards — at the side 9 mm  • for grounded parts at 500 V — downwards — at the side 9 mm  • for live parts at 500 V — downwards 30 mm  — at the side 9 mm  • for live parts at 500 V — downwards 30 mm — upwards 30 mm — upwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for grounded parts at 500 V — downwards 9 mm  • for wards 0 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V — downwards 9 mm  • for live parts at 600 V  — downwards 9 mm  • for main cart at 600 V  — downwards 9 mm  • for main current circuit 10 mm  • for main current pleatrical connectors for main current circuit 10 mm  • for main current circuit 10 mm  • for main current circuit 10 mm  • for main current pleatrical connectors 10 mm  • at AWG cables for main contacts 2x (20 2.5 mm²) 2x (25 25 mm²) 2x (25 25 mm²) 2x (20 12)  • design of screwdriver shaft 10 planeter 3 mm  • at AWG cables for main contacts 10 planeter 3 mm  • with low demand rate according to SN 31920 10 mm  • with low demand rate according to SN 31920 10 mm	·	
downwards		♥ 4IIII
- upwards		30 mm
■ at the side 9 mm  • for grounded parts at 500 V  — downwards 30 mm  — at the side 9 mm  • for live parts at 500 V  — downwards 30 mm  — upwards 30 mm  — upwards 30 mm  — upwards 9 mm  • for grounded parts at 690 V  — downwards 50 mm  — upwards 50 mm  — upwards 50 mm  — upwards 50 mm  — backwards 0 mm  — at the side 30 mm  — backwards 0 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 0 mm  • for live parts at 690 V  — downwards 50 mm  — the side 30 mm  • for live parts at 690 V  — downwards 50 mm  • upwards 50 mm  • pupwards 50 mm  — upwards 50 mm  — upwards 0 mm  • for main content creating 10 mm  — at the side 30 mm  — backwards 0 mm  — backwards 0 mm  — backwards 0 mm  — backwards 0 mm  — forwards 0 mm  — for main current circuit 10 spring-loaded terminals 10 mm  **Top and bottom**  **Connections/** Terminals**  **Top and bottom**  **Expect of connectable conductor cross-sections 10 mm/  — finely stranded with core end processing 2x (0.5 2.5 mm²) 2x (0.5		
for grounded parts at 500 V         downwards	·	
downwards		
upwards		30 mm
■ to the side ■ for live parts at 500 V  — downwards — upwards — at the side ■ 9 mm  ■ of or grounded parts at 690 V  — downwards — upwards — upwards — upwards — backwards — backwards — of main contacts — of ror live parts at 690 V  — downwards — of main contacts — of main contacts — solid or stranded — finely stranded without core end processing — finely stranded without core end processing — finely stranded without core end processing — at AWG cables for main contacts ■ 160 V  ■ of content of the side of the screwdriver shaft is ize of the screwdriver shaft ■ size of the screwdriver shaft ■ blovalue ■ with high demand rate according to SN 31920 ■ with low demand rate according to SN 31920 ■ of more of the screwdriver shaft is incomposited in the side of the screwdriver shaft is incomposited in the side of the screwdriver shaft is ize of the screwdriver in the side of the screwdriver in the side of the screwdriver is incomposited in the side of th		
- downwards - upwards - at the side 9 fm grounded parts at 690 V - downwards - upwards 50 mm - upwards - backwards - at the side 9 for grounded parts at 690 V - downwards - upwards - backwards 0 mm - at the side 9 for live parts at 690 V - downwards 10 mm 1		
- upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - the side - forwards - forwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - backwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - upwards - backwards - o mm - the side - forwards - o mm - at the side - forwards - o mm - at the side - forwards - o mm - treminals  - type of electrical connection - for main current circuit  - for main current circuit  - for main contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - at AWG cables for main contacts - at AWG cables for main contacts - solid or stranded - finely stranded without core end processing - at AWG cables for main contacts - solid or stranded - finely stranded without core end processing - at AWG cables for main contacts - solid or stranded - finely stranded without core end processing - at AWG cables for main contacts - solid or stranded - finely stranded without core end processing - with low demand rate according to SN 31920 - stole screwdriver tip - stole screwdriver shaft - size of the screwdriver shaft - size of the screwdriver shaft - size of the screwdriver shaft - with high demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - sol mm - manuer - sol m		30 mm
- at the side 9 mm  • for grounded parts at 690 V  - downwards 50 mm  - upwards 50 mm  - backwards 0 mm  - at the side 30 mm  • for live parts at 690 V  - downwards 50 mm  • for live parts at 690 V  - downwards 50 mm  - upwards 50 mm  - upwards 50 mm  - backwards 0 mm  - at the side 30 mm  - backwards 0 mm  - backwards 0 mm  - at the side 30 mm  - backwards 10 mm  - backwards 10 mm  - backwards 10 mm  - backwards 10 mm  - at the side 10 mm  - forwards 10 mm  - formain current circuit 10 spring-loaded terminals 10 mm  - for main current circuit 10 spring-loaded terminals 10 mm  - for main current circuit 20 mm  - finely stranded with core end processing 2x (0.5 2.5 mm²) 3x (0.5 2.		
• for grounded parts at 690 V  - downwards - upwards - backwards 0 mm  - at the side 30 mm  • for live parts at 690 V  - downwards 50 mm  • for live parts at 690 V  - downwards 50 mm  - backwards 0 mm  - upwards 50 mm  - backwards 0 mm  - 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 - finely stranded without core end processing • at AWG cables for main contacts  easign of screwdriver shaft size of the screwdriver tip 3,0 x 0,5 mm  Safety related data  B10 value • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • or main current circuit  50 mm  50 mm  70 mm  70 mm  70 pand bottom  70 p	·	
- downwards 50 mm - upwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm  • for live parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 0 mm - 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 - finely stranded without core end processing - at AWG cables for main contacts 2x (0.5 2.5 mm²) • at AWG cables for main contacts 2x (20 12)  design of screwdriver shaft 5x 000  proportion of dangerous failures • with low demand rate according to SN 31920 50 %		
- upwards - backwards - at the side - forwards • for live parts at 690 V - downwards - backwards - backwards - upwards - backwards - backwards - at the side - forwards - o mm  - at the side - forwards - forwards - forwards - formain current circuit  arrangement of electrical connectors for main current circuit  - solid or stranded - for main contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - at AWG cables for main contacts  - solid or stranded - at AWG cables for main contacts  - solid or stranded without core end processing - at AWG cables for main contacts  - solid or stranded without core end processing - at AWG cables for main contacts  - solid or stranded without core end processing - at AWG cables for main contacts  - solid or stranded without core end processing - at AWG cables for main contacts  - solid or stranded without core end processing - at AWG cables for main contacts  - with ligh demand rate according to SN 31920  - with ligh demand rate according to SN 31920  - with low demand rate according to SN 31920  - with low demand rate according to SN 31920  - with low demand rate according to SN 31920  - with low demand rate according to SN 31920  - with low demand rate according to SN 31920		50 mm
- backwards - at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - backwards - at the side - forwards - backwards - backwards - at the side - forwards - o mm - torwards - forwards - o mm - forwards  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 - finely stranded without core end processing • at AWG cables for main contacts - at AWG cables for main contacts		
- at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - at the side - forwards 0 mm - backwards 0 mm - backwards 0 mm - torwards 0 mm - 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 - finely stranded without core end processing • at AWG cables for main contacts  • with high demand rate according to SN 31920  • proportion of dangerous failures • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  5 0 %	·	0 mm
<ul> <li>• for live parts at 690 V</li> <li>— downwards</li> <li>— upwards</li> <li>— backwards</li> <li>— at the side</li> <li>— forwards</li> <li>0 mm</li> <li>— forwards</li> <li>0 mm</li> <li>Ommetions/ Terminals</li> <li>type of electrical connection</li> <li>• for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>• for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>• at AWG cables for main contacts</li> <li>• at AWG cables for main contacts</li> <li>2x (0.5 2.5 mm²)</li> <li>• at AWG cables for main contacts</li> <li>2x (20 12)</li> <li>design of screwdriver shaft</li> <li>size of the screwdriver tip</li> <li>3,0 x 0,5 mm</li> <li>Safety related data</li> <li>B10 value</li> <li>• with high demand rate according to SN 31920</li> <li>5 000</li> <li>proportion of dangerous failures</li> <li>• with low demand rate according to SN 31920</li> <li>50 %</li> </ul>	— at the side	30 mm
- downwards - upwards - backwards - at the side - forwards 0 mm  Connections/ Terminals  type 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 - finely stranded without core end processing - at AWG cables for main contacts  • at AWG cables for main contacts  2x (20 12)  design of screwdriver shaft size of the screwdriver tip  Safety related data  B10 value • with ligh demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  5 0 0m  o mm  Top and bottom  Top and bottom  Top and bottom  2x (0,5 4 mm²)  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0,5 2.5 mm²)  2x (20 12)  Diameter 3 mm  3,0 x 0,5 mm  Safety related data  B10 value • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  5 0 00	— forwards	0 mm
- upwards - backwards - at the side - forwards  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 - finely stranded without core end processing - at AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  B10 value • with high demand rate according to SN 31920  with low demand rate according to SN 31920  with low demand rate according to SN 31920  with low demand rate according to SN 31920  o mm  so mm so	• for live parts at 690 V	
- backwards - at the side - forwards  Connections/ Terminals  type of electrical connection	— downwards	50 mm
- at the side - forwards 0 mm 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 - finely stranded without core end processing - at AWG cables for main contacts  ● at AWG cables for main contacts  2x (20.5 4 mm²) - at AWG cables for main contacts 2x (20 12)  design of screwdriver shaft size of the screwdriver tip 3,0 x 0,5 mm  Safety related data  B10 value ● with high demand rate according to SN 31920  proportion of dangerous failures ● with low demand rate according to SN 31920  5 0 %	— upwards	50 mm
Top and bottom  of or main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  of or main contacts  of inely stranded with core end processing  of inely stranded without core end processing  of at AWG cables for main contacts  at AWG cables for main contacts  be at AWG cables for main contacts  case of the screwdriver tip  and the screwdriver ti		
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 — finely stranded without core end processing — at AWG cables for main contacts  • at AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  B10 value • with high demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920		
type of electrical connection		0 mm
of for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections     of for main contacts         solid or stranded         finely stranded with core end processing         finely stranded without core end processing         at AWG cables for main contacts      design of screwdriver shaft  size of the screwdriver tip  B10 value     o with high demand rate according to SN 31920      o with low demand rate according to SN 31920      spring-loaded terminals  Top and bottom  Top and bottom  Top and bottom  Top and bottom		
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 — finely stranded without core end processing 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  • at AWG cables for main contacts  design of screwdriver shaft  size of the screwdriver tip  Safety related data  B10 value • with high demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  50 %		
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<ul> <li>for main contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing  at AWG cables for main contacts  2x (0.5 2.5 mm²)  2x (0.5 2.5 mm²)  2x (20 12)  design of screwdriver shaft Diameter 3 mm  size of the screwdriver tip 3,0 x 0,5 mm  Safety related data  B10 value  with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 50 %</li> </ul>		Top and bottom
- solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing • at AWG cables for main contacts 2x (20 2.5 mm²) 2x (20 12)  design of screwdriver shaft Diameter 3 mm  size of the screwdriver tip 3,0 x 0,5 mm  Safety related data  B10 value • with high demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  50 %	type of connectable conductor cross-sections	
<ul> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>— at AWG cables for main contacts</li> <li>— at AWG cables for main contacts<td>• for main contacts</td><td></td></li></ul>	• for main contacts	
— finely stranded without core end processing  • at AWG cables for main contacts  2x (0.5 2.5 mm²)  2x (20 12)  design of screwdriver shaft  Diameter 3 mm  size of the screwdriver tip  3,0 x 0,5 mm  Safety related data  B10 value  • with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  50 %		
<ul> <li>at AWG cables for main contacts</li> <li>design of screwdriver shaft</li> <li>Diameter 3 mm</li> <li>size of the screwdriver tip</li> <li>3,0 x 0,5 mm</li> <li>Safety related data</li> <li>B10 value</li> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>50 %</li> </ul>		
design of screwdriver shaft  size of the screwdriver tip  3,0 x 0,5 mm  Safety related data  B10 value  • with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  50 %		
size of the screwdriver tip  3,0 x 0,5 mm  Safety related data  B10 value  • with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  50 %		
B10 value  • with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  50 %		
B10 value  ● with high demand rate according to SN 31920 5 000  proportion of dangerous failures  ● with low demand rate according to SN 31920 50 %	·	3,0 x 0,5 mm
<ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>50 %</li> </ul>		
proportion of dangerous failures  ● with low demand rate according to SN 31920  50 %		
• with low demand rate according to SN 31920 50 %		5 000
with high demand rate according to SN 31920     50 %		
failure rate (CIT)		50 %
failure rate [FIT]		50 FIT
with low demand rate according to SN 31920  50 FIT  10 value for proof test interval or service life according to the ser		
T1 value for proof test interval or service life according to  10 y	i i value for proof test interval or service life according to	1∪ y

IEC 61508 IP20 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status Handle

Certificates/ approvals

## **General Product Approval**





Confirmation



KC



For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 







Type Test Certificates/Test Report

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

## Marine / Shipping













Marine / Shipping

other

Railway



Confirmation



Vibration and Shock

Confirmation

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=3RV2011-1CA20

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2011-1CA201$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1CA20

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-1CA20&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1CA20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1CA20&objecttype=14&gridview=view1

last modified:

6/25/2022

