## **SIEMENS**

Data sheet 3RV2411-1BA20



Circuit breaker size S00 for transformer protection A-release 1.4...2 A N release 42 A Spring-type terminal Standard switching capacity

product designation design of the product product type designation 3RV2  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 surge voltage resistance rated value surge voltage resistance rated value of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical forefrence code according to IEC 80088-2-27 Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum administration and titude at height above sea level maximum administration and titude at height above sea level maximum adjustable current response value current of the current-dependent overload release operating voltage • at AC-3 rated value maximum • at AC-3 rated value maximum • at AC-3 at 400 V rated value • at AC-3 rated value maximum • at AC-3 at 400 V rated value	product brand name	SIRIUS
Separate   Separation   SRV2	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 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 shock resistance according to IEC 60068-2-27 mechanical service IIF (switching cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of auxiliary contacts (switching cycles) typical reference code according to IEC 81346-2 Qubstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during storage • during storage • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC-3 rated value maximum • at AC-3 rated value maximum operational current rated value	design of the product	For transformer protection
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 • 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 shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operation current rated value operational current rated value	product type designation	3RV2
size of contactor can be combined company-specific product extension auxiliary switch Yes  power loss [W] for rated value of the current  • at AC in hot operating state Popel 2.4 W  • at AC in hot operating state per pole 2.4 W  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value 680 V  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (switching cycles)  • of the main contacts typical 100 000  • of auxiliary contacts typical 100 000  electrical endurance (switching cycles) 100 000  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  • during operation -20 +60 °C  • 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 current-dependent overload release operating voltage  • rated value 20 690 V  • at AC-3e rated value maximum 690 V  operational current rated value operational current rated va	General technical data	
product extension auxiliary switch power loss [W] for rated value of the current	size of the circuit-breaker	S00
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 shock resistance according to IEC 60068-2-27 get of the main contacts typical of auxiliary contacts typical lelectrical endurance (switching cycles) typical electrical endurance (switching cycles) typical plectrical endurance (switching cycles) typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Quut auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Quut auxiliary contacts typical reference code according to IEC 81346-2 Quut auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Quut auxiliary contacts typical reference code according to IEC 81346-2 Quut auxiliary contacts typical reference code according to IEC 81346-2 Quut auxiliary contacts typical reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 81346-2 Quut auxiliary contacts typical 100 000  reference code according to IEC 810400  - 20 +60 °C - 20 +6	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state 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  surge voltage resistance rated value 680 V shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (switching cycles)  of the main contacts typical 100 000 of auxiliary contacts typical 100 000 electrical endurance (switching cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  Ambient conditions Installation altitude at height above sea level maximum ambient temperature oduring operation 20 +60 °C oduring 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 current-dependent overload release operating voltage operating voltage at AC-3 rated value maximum 690 V at AC-3 rated value maximum 690 V operating frequency rated value 2A operating frequency rated value 50 60 Hz operational current rated value operational current rated value operational current rated value operational current	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  shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles)  of the main contacts typical  of auxiliary contacts typical  electrical endurance (switching cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  ouring storage  of during storage  of during storage  of during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  or at AC-3a rated value maximum  operational current rated value  operational current rated value  operational current rated value  operational current rated value  operational current  of the kV  sky  at AC arated value maximum  operational current rated value  operational current rated value  operational current rated value  operational current rated value  operational current  of the kV  sky  at AC arated value maximum  operational current rated value  operational current rated value  operational current rated value  operational current  of the kV  sky  at AC arated value maximum  operational current rated value  operational current rated value  operational current  of the kV  sky  at AC arated value maximum  operational current rated value  operational current rated value  operational current rated value  operational current	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  shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles)  of the main contacts typical  of auxiliary contacts typical  electrical endurance (switching cycles) typical  reference code according to IEC 81348-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  of during storage  of during storage  of during transport  relative humidity during operation  mumber of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  operating voltage  operating frequency rated value  operational current  operational current  2 A  operational current  at AC-3 a rated value  operational current rated value  operational current  2 A  operational current  at AC-3 a rated value  operational current rated value  operational current  operational current  of NV  operational current  operational current  of During  of NV  operational current  of NV  operational current  of During  of NV  operational current  operational current  of NV  operational current  operational current  operational current  operational current	<ul> <li>at AC in hot operating state</li> </ul>	7.25 W
surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (switching cycles)  • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 electrical endurance (switching cycles) typical 100 000  reference code 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 • during operation -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 operating voltage • rated value 20 690 V • at AC-3e rated value maximum 690 V operational current rated value 50 60 Hz operational current rated value 2A operational current rated value 50 60 Hz operational current	at AC in hot operating state per pole	2.4 W
shock resistance according to IEC 60068-2-27  shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles)  of the main contacts typical  of auxiliary contacts typical  lou 000  electrical endurance (switching cycles) typical  reference code according to IEC 81346-2  Quabstance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  olduring operation  during storage  olduring transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  orated value  at AC-3 rated value maximum  operating frequency rated value  operational current rated value  2 A  operational current rated value	o o i	690 V
mechanical service life (switching cycles)  of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum oduring operation of during storage of during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or rated value of AC-3 rated value maximum operational current rated value operational current on 000  1000 000 000 000 000 000 000 000 0	surge voltage resistance rated value	6 kV
of the main contacts typical of auxiliary contacts typical lectrical endurance (switching cycles) typical lectrical endurance (switching cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation during storage oduring transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or at AC-3 rated value maximum operating frequency rated value operational current	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (switching cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature     ouring operation     during storage     during transport relative humidity during operation  Admin circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage     rated value     at AC-3 rated value maximum     e at AC-3 rated value maximum operational current rated value  100 000 000 000 000 000 000 000 000 00	mechanical service life (switching cycles)	
electrical endurance (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  mumber of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  operational current rated value  operational current rated value  50 60 Hz  operational current rated value  2 A  operational current rated value  2 A	<ul> <li>of the main contacts typical</li> </ul>	100 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • rated value maximum 690 V  • at AC-3 rated value maximum 690 V  operating frequency rated value operational current rated value 2 A  operational current rated value 2 A  operational current rated value 2 A	of auxiliary contacts typical	100 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  690 V  operating frequency rated value  operational current rated value  2 A  operational current rated value  2 A  operational current rated value	electrical endurance (switching cycles) typical	100 000
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operational current rated value  operational current rated value  operational current rated value  20 690 V  operational current rated value  20 690 V  operational current rated value  20 690 V	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operational current rated value  operational current rated value  operational current rated value  operational current  2 0 00 m  -20 +60 °C  -50 +80 °C  -50	Substance Prohibitance (Date)	10/01/2009
ambient temperature  • during operation • during storage • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operational current rated value  operational current rated value  2 A  operational current rated value  2 A  operational current rated value  2 A	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>eduring transport</li> <li>50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>2 A</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during transport</li> <li>felative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul>	ambient temperature	
<ul> <li>during transport</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>2 A</li> </ul>	<ul><li>during operation</li></ul>	-20 +60 °C
relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  2 A  operational current	<ul><li>during storage</li></ul>	-50 +80 °C
Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • rated value maximum  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  2 A  operational current	during transport	-50 +80 °C
number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  2 A  operational current	relative humidity during operation	10 95 %
adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  20 690 V  690 V  50 60 Hz  operational current rated value  2 A	Main circuit	
current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  20 690 V  690 V  50 U  Operating frequency rated value  50 60 Hz  operational current	number of poles for main current circuit	3
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>2 A</li> </ul>	·	1.4 2 A
<ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul> 2 A operational current	operating voltage	
<ul> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul> 2 A	• rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 2 A operational current	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current rated value 2 A operational current	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	operating frequency rated value	50 60 Hz
·	operational current rated value	2 A
at AC-3 at 400 V rated value     2 A	operational current	
ETT	• at AC-3 at 400 V rated value	2 A

a at AC 2a at 400 V rated value	2.4
at AC-3e at 400 V rated value	2 A
operating power	
• at AC-3	
— at 230 V rated value	0.4 kW
— at 400 V rated value	0.8 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 kW
• at AC-3e	
— at 230 V rated value	0.4 kW
— at 400 V rated value	0.8 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 kW
operating frequency	
at AC-3 maximum	15 1/h
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	Yes
trip class	CLASS 10
design of the overload release	thermal
breaking capacity maximum short-circuit current (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
<ul> <li>at AC at 690 V rated value</li> </ul>	10 kA
breaking capacity operating short-circuit current (Ics)	
at AC	
<ul> <li>at 240 V rated value</li> </ul>	100 kA
<ul> <li>at 400 V rated value</li> </ul>	100 kA
at 500 V rated value	100 kA
at 690 V rated value	10 kA
response value current of instantaneous short-circuit trip	42 A
unit	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	2 A
at 600 V rated value	2 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 230 V rated value	0.13 hp
for 3-phase AC motor	5.10 Hp
•	1 hn
— at 460/480 V rated value	1 hp
— at 575/600 V rated value	1 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 500 V	gL/gG 25 A
• at 690 V	gL/gG 20 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
	according to DIN EN 60715

width depth 40 mm	height	106 mm
Septembroad		
required spacing  • for grounded parts at 400 V  — downwards — upwards — of the parts at 400 V  — downwards — upwards — at the side — of for prounded parts at 500 V  — downwards — upwards — at the side — of for prounded parts at 500 V  — downwards — upwards — upwards — upwards — upwards — of for live parts at 500 V  — downwards — of for live parts at 500 V  — downwards — of wards — of wards — upwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of prounded parts at 690 V  — downwards — of the side — of prounded parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the side — for wards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — downwards — of the parts at 690 V  — of the parts a		
• for grounded parts at 400 V	•	
downwards 30 mm		
- upwards		30 mm
at the side  • for live parts at 400 V  downwards  upwards  at the side  • for grounded parts at 550 V  downwards  upwards  upwards  upwards  upwards  upwards  upwards  the side  for by parts at 500 V  downwards  upwards  at the side  upwards  at the side  upwards  at the side  for grounded parts at 690 V  downwards  upwards  for grounded parts at 690 V  downwards  upwards  for grounded parts at 690 V  downwards  upwards  the side  forwards  the side  forwards  for live parts at 690 V  downwards  for man current circuit  the side  for man current circuit  for main current circuit  for main current circuit  finely stranded with core end processing  finely stranded without core end processing  at the side  solid or stranded  finely stranded without core end processing  at MC cables for main contacts  solid or stranded  finely stranded without core end processing  at MC cables for main contacts  solid or stranded  finely stranded without core end processing  at MC cables for main contacts  solid or stranded  finely stranded without core end processing  at MC cables for main contacts  solid or stranded  finely stranded without core end processing  at MC cables for main contacts  solid or stranded  finely stranded with core end processing  at MC cables for main contacts  solid or stranded  finely stranded with core end processing  at MC cables for main contacts  solid or stranded  finely stranded with core end processing  at MC cables for main contacts  solid or stranded  finely stranded with core end processing  solid or stranded  finely stranded with core end processing  solid or stranded  finely stranded with core end processing  solid or stranded  finely stranded with		
• for live parts at 400 V	•	
downwards upwards at the side of or grounded parts at 500 V downwards upwards upwards at the side of live parts at 500 V downwards at the side of live parts at 500 V downwards at the side of live parts at 600 V downwards at the side of or grounded parts at 600 V downwards of wards		
- upwards - at the side - of or grounded parts at 500 V - downwards - at the side - upwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - of or grounded parts at 690 V - downwards - upwards - one parts at 690 V - downwards - at the side - forwards - at the side - at the side - one parts at 690 V - downwards - at the side - for live parts at 690 V - downwards - or live parts at 690 V - downwards - or live parts at 690 V - downwards - or live parts at 690 V - downwards - backwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - b	•	30 mm
- at the side		
• for grounded parts at 500 V     — downwards     — upwards     — at the side     • for live parts at 500 V     — downwards     — upwards     — at the side     • for grounded parts at 690 V     — downwards     — at the side     • for grounded parts at 690 V     — downwards     — upwards     — upwards     — upwards     — backwards     — upwards     — at the side     — 30 mm     — hard side     — forwards     — or live parts at 690 V     — downwards     — at the side     — 30 mm     — forwards     — or live parts at 690 V     — downwards     — at the side     — 30 mm     — forwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — or live parts at 690 V     — downwards     — backwards     — upwards     — or main current circuit     — at the side     — or main current circuit     — at the side     — or main current circuit     — arrangement of electrical connectors for main current circuit     vire for main contacts     — solid or stranded     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded with core end processing     — solid or stranded     — finely stranded with core end processing     — finely strand	·	
downwards at the side for live parts at 500 V downwards at the side forgrounded parts at 690 V downwards downwards downwards packwards packwards packwards at the side backwards at the side forwards forwards forlive parts at 690 V downwards forlive parts at 690 V downwards forwards forwards forwards forwards powards powards powards backwards at the side forwards backwards the side forwards the side forwards the side forwards the side formal contection formal corrent circuit formal corrent circuit formal corrent circuit formal corrent circuit formal corrent pleatrical connectors for main current circuit solid or stranded finely stranded without core end processing finely stranded without core of processing finely stranded without core end processing finely stranded without core of proces		
- upwards - at the side		30 mm
- at the side • for live parts at 500 V  - downwards — upwards — at the side • for grounded parts at 690 V  - downwards — upwards — upwards — upwards — upwards — backwards — backwards — the side — for live parts at 690 V  - downwards — the side — on-wards — the side — for live parts at 690 V  - downwards — for live parts at 690 V  - downwards — for live parts at 690 V  - downwards — on-wards — upwards — on-man — upwards — upwards — upwards — on-man — the side — on-man — on-man — the side — forwards — on-man — the side — on-man — on-man — on-man — on-man — on-man — the side — on-man —		
• for live parts at 500 V         — downwards         — upwards         — at the side         • for grounded parts at 690 V         — downwards         — upwards         — at the side         — at the side         — at the side         — at the side         — forwards         — or for lownwards         — or for lownwards         — or for lownwards         — downwards         — downwards         — backwards         — upwards         — backwards         — or mm         — at the side         — or or man to the side         — forwards         — or or man to urner tircuit	•	
- downwards - upwards - of the side - for grounded parts at 690 V - downwards - upwards - upwards - upwards - backwards - backwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - for live parts at 890 V - downwards - upwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - onm - forwards - onm - forwards - onm - formain current circuit - arrangement of electrical connectors for main current circuit - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for main contacts - design of screwdriver shaft - size of the screwdriver shaft - size of the screwdriver tip - solid or stranded - with high demand rate according to SN 31920 - wit		
- upwards - at the side - for grounded parts at 690 V - downwards - upwards - backwards - the side - horwards - at the side - horwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - mm - the side - horwards - backwards - omm - the side - horwards - backwards - omm - the side - horwards - backwards - omm - the side - forwards - browards - browards - mm - the side - forwards - mm - the side - for main current circuit - tripe of electrical connection - for main current circuit - spring-loaded terminals - spring-loaded term		30 mm
• for grounded parts at 690 V  — downwards  — upwards  — backwards — at the side — forwards  • for live parts at 690 V  — downwards  • for live parts at 690 V  — downwards — upwards  • for live parts at 690 V  — downwards — upwards — upwards — upwards — backwards — onm — at the side — forwards — onm — at the side — forwards — onm — the side — onm — onm  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 current pain current circuit  type of connectable conductor cross-sections • for main current pain current circuit  arrangement of electrical connectors for main current circuit  type of one conductable conductor cross-sections • for main current pain current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main current pain current circuit  arrangement of electrical connectors for main current circuit  type of electrical conductor cross-sections • for main current pain current circuit  arrangement of electrical connectors for main current circuit  arrangement of electrical conductor cross-sections • for main current pain current circuit  arrangement of electrical conductor cross-sections • for main current pain current circuit  arrangement of electrical conductor cross-sections • for main current pain current circuit  arrangement of electrical conductor cross-sections • for main current pain current circuit  by an arrangement of electrical conductor cross-sections • for main current pain pain pain pain pain pain pain pain		
of or grounded parts at 690 V     odwnwards     ouwards     ouwards     ouwards     ouwards     ouwards     ouwards     out the side     ouwards	·	
- downwards - upwards - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - backwards - at the side - forwards - at the side - forwards - upwards - backwards - at the side - forwards - o 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 - inely stranded without core end processing - at AVG cables for main contacts  at at wide Cables for main contacts  be at own cables for main contacts  at a condition of the stranded size of the screwdriver tip  3.0 x 0.5 2.5 mm²)  2x (20 2.5 mm²)  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  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with low demand rate according t		•
- upwards - backwards 0 mm - backwards 0 mm  of roll we parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 10 mm - for man current circuit 10 arrangement of electrical connectors for main current circuit 10 arrangement of electrical connectors for main current 10 arrangement of electrical connectors 10 for main contacts 10 solid or stranded 11 finely stranded with core end processing 12 k (0.5 4 mm²) 13 k WG cables for main contacts 14 a WG cables for main contacts 15 design of screwdriver shaft 15 size of the screwdriver shaft 15 size of the screwdriver tip 15 safety related dats 15 v alue 16 with high demand rate according to SN 31920 16 with high demand rate according to SN 31920 17 value for proof test interval or service life according to EC 60529 16 display version for switching status 16 display version for switching status 17 vertical contact from the front according to IEC 60529 16 display version for switching status 18 down memory according to IEC 60529 16 display version for switching status 18 down memory according to IEC 60529 16 display version for switching status		50 mm
- at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - at the side - forwards - o mm - backwards - at the side - forwards - forwards - o mm - forwards - o main current circuit - arrangement of electrical connectors for main current circuit - 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 - size of the screwdriver shaft - blameter 3 mm - size of the screwdriver tip - size of the screwdriver at according to SN 31920 - with high demand rate according to SN 31920 - with high demand rate according to SN 31920 - with low demand rate according to SN 319	•	
• for live parts at 690 V  - downwards - upwards - backwards - at the side - forwards 0 mm  - forwards 0 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 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 (0.5 2.5 mm²)  2x (0.5 2.5 mm²)  2x (0.5 2.5 mm²)  5afoty rolated 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  11 value for proof test interval or service life according to EC 61529  display version for switching status  - do mm  - finely stranded without core end processing - solid or small eleminals - spring-loaded terminals - spring-loaded terminals - spring-loaded terminals - spring-loaded terminals - spring-loaded ter		
of rive parts at 690 V     one downwards     one backwards     one at the side     one forwards     one forwards     one forwards  Connections/ Terminals  type of electrical connection     of romain current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections     of romain contacts     one finely stranded with core end processing     one finely stranded with core end processing     one finely stranded without core end processing     one at AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip     strong the screwdriver tip     one with high demand rate according to SN 31920  proportion of dangerous failures     with high demand rate according to SN 31920     with high demand rate according to SN 31920     with low demand rate according to SN 31920     owith high demand rate according to SN 31920     with low demand rate according to SN 31920     with low demand rate according to SN 31920     owith high demand rate according to SN 31920     owith low demand rate accord		
- downwards - upwards - backwards - at the side - forwards - forwards - forwards - o 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  design of screwdriver shaft size of the screwdriver tip  Safety rolated data  B10 value • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • 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 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920  failure rate [FIT] • with low demand rate according to SN 31920  for SP FIT  1 value for proof test interval or service life according to IEC 60529  protection class IP on the front according to IEC 60529  display version for switching status  Handle		Ollilli
- upwards - backwards - at the side - forwards  Connections/ Terminals  type of electrical connection	•	50 mm
- backwards - at the side - forwards 0 mm 0 m		
- at the side — forwards 0 mm  Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals  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) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 3,0 x 0,5 mm  Safety related data  B10 value • with high demand rate according to SN 31920  with high demand rate according to SN 31920 • with how demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 60529  touch protection class IP on the front according to IEC 60529 display version for switching status  30 mm 0 mm 0 mm 0 mm 0 mm 0 mm  conmand conmands  spring-loaded terminals  Top and bottom  2x (0.5 2 mm²) 2x (0.5 2 mm²) 2x (0.5 2 mm²) 2x (0.5 2 5 mm²) 2x (0.5	•	
Top and bottom  Top and botto		
type of electrical connection		
type of electrical connection		O IIIIII
• 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 — 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  proportion of dangerous failures • with low demand rate according to SN 31920  failure rate [FIT] • with low demand rate according to SN 31920  failure rate for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  display version for switching status  Top and bottom  2x (0,5 4 mm²)  2x (0,5 4 mm²)  2x (0,5 4 mm²)  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0,5 2.5 mm²)  2x (0,5 2.5 mm²)  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0,5		
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 — 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  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920  proportion of value • with low demand rate according to SN 31920  o with low demand rate according to SN 31920  failure rate [FIT] • with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  Top and bottom  Table thema?  2x (0,5 4 mm²)  2x (0,5 2.5 mm²)  2x (0.5 2.5 mm²)  2x (0.		spring-loaded terminals
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  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920  failure rate [FIT] • with low demand rate according to SN 31920  failure rate or proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status   2x (0,5 4 mm²)  2x (0,5 2.5 mm²)		
• for main contacts  - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without 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  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  in with low demand rate according to SN 31920  failure rate [FIT] • with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status   2x (0.5 4 mm²)  2x (0.5 2.5 mm²)  2x (0.		
- 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 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 - with low demand rate according to SN 31920 - 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 - failure rate [FIT] - 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 - failure rate [FIT] - 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 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - with low demand rate according to SN 31920 - failure rate [FIT] - failure	type of connectable conductor cross-sections	
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 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 with low demand rate according to SN 31920 with high demand rate according to SN 31920 with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529 display version for switching status  2x (0.5 2.5 mm²) 2x (20 12) 2x (20 .	<ul> <li>for main contacts</li> </ul>	
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables for main contacts</li> <li>2x (20 12)</li> <li>design of screwdriver shaft</li> <li>piameter 3 mm</li> <li>3,0 x 0,5 mm</li> </ul> Safety related data B10 value <ul> <li>with high demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> <li>fo FIT</li> </ul> T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 display version for switching status Handle Handle	<ul><li>— solid or stranded</li></ul>	2x (0,5 4 mm²)
at AWG cables for main contacts     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     with low demand rate according to SN 31920     with high demand rate according to SN 31920     with low demand rate according to SN 31920     with low demand rate according to SN 31920      failure rate [FIT]         with low demand rate according to SN 31920      T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status      In 20  Handle	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)
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  • 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  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  Diameter 3 mm  3,0 x 0,5 mm  5 000  F 000	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
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  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with low demand rate according to SN 31920  failure rate [FIT]  • with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  3,0 x 0,5 mm  3,0 x 0,5 mm  5 000	at AWG cables for main contacts	2x (20 12)
B10 value  • with high demand rate according to SN 31920  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  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  5 000  50 %  50 %  10 y  FIT  10 y  FIP20  Finger-safe, for vertical contact from the front  Handle	design of screwdriver shaft	Diameter 3 mm
B10 value  • with high demand rate according to SN 31920  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  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  5 000  50 %  50 %  50 FIT  10 y  IP20  Gospon Support	<u> </u>	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>with high demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>display version for switching status</li> <li>50 %</li> <li>50 FIT</li> <li>10 y</li> <li>IP20</li> <li>finger-safe, for vertical contact from the front</li> <li>Handle</li> </ul>	Safety related data	
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  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  50 %  50 FIT  10 y  IP20  finger-safe, for vertical contact from the front  Handle	B10 value	
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>display version for switching status</li> <li>50 %</li> <li>50 %</li> <li>10 y</li> <li>IP20</li> <li>finger-safe, for vertical contact from the front</li> <li>Handle</li> </ul>	with high demand rate according to SN 31920	5 000
<ul> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT]         <ul> <li>with low demand rate according to SN 31920</li> <li>50 FIT</li> </ul> </li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>finger-safe, for vertical contact from the front display version for switching status</li> </ul> <li>Handle</li>	proportion of dangerous failures	
failure rate [FIT]  ● with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  50 FIT  10 y  IP20  IP20  IP30  IP40  IP4	<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %
<ul> <li>with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>display version for switching status</li> <li>50 FIT</li> <li>10 y</li> <li>IP20</li> <li>finger-safe, for vertical contact from the front</li> <li>Handle</li> </ul>	with high demand rate according to SN 31920	50 %
T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  display version for switching status  10 y  IP20  IP20  finger-safe, for vertical contact from the front  Handle	failure rate [FIT]	
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529 display version for switching status  IP20  IP20  finger-safe, for vertical contact from the front  Handle	<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 FIT
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status  Handle		10 y
display version for switching status  Handle		IP20
		finger-safe, for vertical contact from the front
Certificates/ approvals		Handle
	Certificates/ approvals	



Confirmation





<u>KC</u>



**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report

**Special Test Certific**ate





Marine / Shipping











Confirmation

other

other

Railway



Vibration and Shock

Confirmation

## **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=3RV2411-1BA20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2411-1BA20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1BA20

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2411-1BA20&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1BA20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-1BA20&objecttype=14&gridview=view1

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