## **SIEMENS**

Data sheet 3RV2321-4EC20



Circuit breaker size S0 for starter combination Rated current 32 A N-release 400 A Spring-type terminal Standard switching capacity

product designation design of the product for starter combinations 3RV2  General technical data size of the circuit-breaker size of contactor can be combined company-specific product yetension auxiliary switch yes 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 value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 get of the main contacts typical • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of auxiliary contacts typical value surge Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum abiliant altitude at height above sea level maximum • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit operating requency rated value • at AC-3 rated value maximum • at AC-3 rated value value • at AC-3 rated value • at AC-3 rated value value • at AC	product brand name	SIRIUS
product type designation  General technical data  size of the circuit-breaker  size of contactor can be combined company-specific  product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state  • 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  mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  • of auxiliary contacts (witching 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  * during transport  relative humidity during operation  * at AC-3 ar ated value maximum  690 V  operating voltage  • at AC-3 ar ated value maximum  • at AC-3 ar ated value maximum  • at AC-3 ar ated value auximum  • at AC-3 ar ated value  • at AC-3 ar ated value  • at AC-3 ar tade value	product designation	Circuit breaker
Section   Sect	design of the product	For starter combinations
size of the circuit-breaker  size of contactor can be combined company-specific product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  surge voltage resistance rated value  • of the main contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) 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 • during operation • during storage • during transport  relative humidity during operation  Main circuit number of poles for main current circuit • at AC-3 arted value maximum • at AC-3 arted value • operational current • at AC-3 at 400 V rated value • operational current • at AC-3 at 400 V rated value	product type designation	3RV2
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   13.25 W   • at AC in hot operating state per pole   4.4 W   insulation voltage with degree of pollution 3 at AC rated value   690 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   • during transport   -50 +80 °C   relative humidity during operation   10 95 %   Main circuit   number of poles for main current circuit   3   operating voltage   • rated value   20 690 V   • at AC-3 arted value maximum   690 V   operational current rated value   50 60 Hz   operational current rated value   50 60 Hz   operational current rated value   50 60 Hz   operational current   • at AC-3 at 400 V rated value   32 A	General technical data	
product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole  4.4 W insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value 6 6 kV shock resistance according to IEC 60068-2-27  mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical 100 000 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 10 95 %  Main circuit number of poles for main current circuit 0 et at AC-3 rated value maximum 690 V operating frequency rated value • ot at AC-3 rated value maximum • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value 32 A	size of the circuit-breaker	SO
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  surge voltage resistance rated value  surge voltage resistance rated value  6 kV  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  • of auxiliary contacts typical  100 000  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  • during operation  • during storage  • during storage  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  • at AC-3 rated value maximum  690 V  operational current rated value  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value	size of contactor can be combined company-specific	S00, S0
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 get of the main contacts typical of the main contacts typical of auxiliary contacts typical lectrical endurance (switching cycles) typical electrical endurance (switching cycles) typical lectrical endurance (switching cycles) typical electrical endurance (switching cycles) typical lou 000  Robustance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport elative humidity during operation  Main circuit number of poles for main current circuit operating voltage rated value at AC-3 rated value maximum ent AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value operational current of at AC-3 at 400 V rated value	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 690 V  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (switching cycles)  of the main contacts typical 100 000 electrical endurance (switching cycles) typical volumination and titude at height above sea level maximum ambient conditions installation altitude at height above sea level maximum ambient temperature olduring operation during storage during transport elative humidity during operation 10 95 %  Main circuit number of poles for main current circuit operating voltage at AC-3 rated value maximum ent AC-3 rated value maximum 690 V operational current rated value operational current value value operational current rated value operational current rated value operational current of AC-3 at 400 V rated value operational current value value operational current value operational current value operational current value value operational current value operational value value operational va	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  pechanical service life (switching cycles)  of the main contacts typical  of auxiliary contacts typical  ledectrical 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  of during operation  of during storage  of during transport  relative humidity during operation  and in circuit  number of poles for main current circuit  operating voltage  orated value  at AC-3 rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  operational current  ot AC-3 at 400 V rated value  32 A  operational current  other is a AC-3 at 400 V rated value  32 A	<ul> <li>at AC in hot operating state</li> </ul>	13.25 W
value  surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (switching cycles)  of the main contacts typical of auxiliary contacts typical lelectrical 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 of during operation of during storage of during storage of during transport relative humidity during operation  Main circuit number of poles for main current circuit operating voltage orated value orated value orated value at AC-3 rated value maximum operation at AC-3 rated value maximum operational current rated value operational current of at AC-3 at 400 V rated value  at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current  of at AC-3 at 400 V rated value  operational current  of at AC-3 at 400 V rated value  operational current  of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current  of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value  operational current of at AC-3 at 400 V rated value	<ul> <li>at AC in hot operating state per pole</li> </ul>	4.4 W
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 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 of during operation of during storage of during transport relative humidity during operation  mumber of poles for main current circuit operating voltage rated value of at AC-3 rated value maximum operation at AC-3 at 400 V rated value operational current of the main current of 0000 100000 1000000 10000000 100000000 1000000	o o	690 V
mechanical service life (switching cycles)  ● of the main contacts typical  ● of auxillary contacts typical electrical endurance (switching cycles) typical 100 000  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature  ● during operation ● during storage ● during transport relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit operating voltage ● rated value ● at AC-3 rated value maximum ● at AC-3 rated value maximum  operating frequency rated value operational current ● at AC-3 at 400 ∨ rated value  operational current  • at AC-3 at 400 ∨ rated value  at AC-3 at 400 ∨ rated value  operational current  • at AC-3 at 400 ∨ rated value  32 A	surge voltage resistance rated value	6 kV
of the main contacts typical     of auxiliary contacts typical     electrical endurance (switching cycles) typical     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     ouring operation     ouring storage     ouring storage     ouring transport     relative humidity during operation      number of poles for main current circuit     operating voltage	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  Main circuit  number of poles for main current circuit operating voltage     at AC-3 rated value maximum     at AC-3 at 400 V rated value     operational current     at AC-3 at 400 V rated value	mechanical service life (switching cycles)	
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 operating voltage • at AC-3 rated value maximum end ta C-3 at 400 V rated value at AC-3 at 400 V rated value 32 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  • at AC-3 rated value maximum  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  32 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  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  32 A  operational current  at AC-3 at 400 V rated value  32 A	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  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  at AC-3 at 400 V rated value  32 A	reference code according to IEC 81346-2	Q
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  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value  operational current rated value  operational current rated value  operational current  at AC-3 at 400 V rated value  32 A	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  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operational current rated value  32 A  operational current  • at AC-3 at 400 V rated value  32 A	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during 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>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>at AC-3 at 400 V rated value</li> <li>32 A</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during 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>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>eat AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>32 A</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>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>operational current</li> <li>• at AC-3 at 400 V rated value</li> <li>32 A</li> </ul>	<ul><li>during operation</li></ul>	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit 3  operating voltage  • rated value • rated value maximum 690 V  • at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz  operational current rated value 32 A  operational current • at AC-3 at 400 V rated value 32 A	<ul> <li>during storage</li> </ul>	-50 +80 °C
Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  32 A	during transport	-50 +80 °C
number of poles for main current circuit  operating voltage  orated value otal AC-3 rated value maximum otal AC-3e rated value maximum operating frequency rated value operational current rated value operational current otal AC-3 at 400 V rated value  32 A	relative humidity during operation	10 95 %
operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  690 V  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  32 A	Main circuit	
<ul> <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>at AC-3 at 400 V rated value</li> <li>32 A</li> </ul>	number of poles for main current circuit	3
<ul> <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>at AC-3 at 400 V rated value</li> <li>32 A</li> </ul>	operating voltage	
<ul> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> <li>at AC-3 at 400 V rated value</li> <li>32 A</li> </ul>	rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 32 A operational current  • at AC-3 at 400 V rated value 32 A	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current rated value  operational current  o at AC-3 at 400 V rated value  32 A  32 A	at AC-3e rated value maximum	690 V
operational current  ● at AC-3 at 400 V rated value 32 A	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 32 A	operational current rated value	32 A
	operational current	
• at AC-3e at 400 V rated value 32 A	• at AC-3 at 400 V rated value	32 A
	• at AC-3e at 400 V rated value	32 A

operating power	
• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 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	No
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>	55 kA
<ul> <li>at AC at 500 V rated value</li> </ul>	10 kA
<ul> <li>at AC at 690 V rated value</li> </ul>	4 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>	25 kA
<ul> <li>at 500 V rated value</li> </ul>	5 kA
at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip unit	400 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
<ul> <li>at 480 V rated value</li> </ul>	32 A
at 600 V rated value	32 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
<ul> <li>— at 110/120 V rated value</li> </ul>	2 hp
— at 230 V rated value	5 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
<ul> <li>at 200/208 V rated value</li> </ul>	7.5 hp
<ul> <li>at 220/230 V rated value</li> </ul>	10 hp
— at 460/480 V rated value	20 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 63 A
• at 500 V	gL/gG 63 A
● at 690 V	gL/gG 63 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
height	119 mm

width	45 mm
depth	97 mm
required spacing	
• for grounded parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— upwarus — at the side	9 mm
for grounded parts at 690 V	V IIIII
— downwards	50 mm
— upwards	50 mm
— upwarus — backwards	0 mm
— at the side	30 mm
— forwards	0 mm
for live parts at 690 V	OTHILL
— downwards	50 mm
— upwards	50 mm
— upwards — backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	O Hilli
type of electrical connection	
for main current circuit	spring-loaded terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	
	2v (1 1() mm²)
	2x (1 10 mm²)
— finely stranded with core end processing	2x (1 6 mm²)
<ul><li>finely stranded with core end processing</li><li>finely stranded without core end processing</li></ul>	2x (1 6 mm²) 2x (1 6 mm²)
<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> </ul>	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8)
<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>design of screwdriver shaft</li> </ul>	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
- 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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8)
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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
- 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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
— 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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000
— 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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
— 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  failure rate [FIT]	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000  50 % 50 %
— 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  failure rate [FIT]  • with low demand rate according to SN 31920  T1 value for proof test interval or service life according to	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000
— 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  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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000 50 % 50 % 50 FIT
— 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  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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000  50 % 50 FIT 10 y  IP20
— 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  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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000  50 % 50 %  50 FIT 10 y  IP20  finger-safe, for vertical contact from the front
— 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  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 (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000  50 % 50 % 50 FIT 10 y IP20
— 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  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	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm  5 000  50 % 50 %  50 FIT 10 y  IP20  finger-safe, for vertical contact from the front



Confirmation





<u>KC</u>



**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Special Test Certificate Type Test Certificates/Test Report





Marine / Shipping

other











Confirmation

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=3RV2321-4EC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-4EC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4EC20

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2321-4EC20&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4EC20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-4EC20&objecttype=14&gridview=view1

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