## **SIEMENS**

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, with mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal, Z=20-unit packaging

product designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1 product type designation anufacturer's article number of supplied contact module at position 1 of supplied contact module at position 3 of the supplied holder of the supplied actuator 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-1BA10-0AA0  Enclosure shape of the enclosure front Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element black material of the actuating element shape of the actuating element plastic shape of the actuating element puter dismeter of the actuating element unurber of contact modules 2 Sulfound the actuating element product function gesticing the positions 2 Sulfound the actuating element product function positions 2 Sulfound the position Sulfound the plastic color of the front ring plastic color of the front ring black Holder material of the holder Plastic Ceneral technical data product function positive opening insulation voltage rated value degree of pollution 3 Sulface. 2 Sulfound Sulface Surge voltage of the operating voltage Surge voltage resistance rated value	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number  • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied holder • of the supplied holder • of the supplied actuator  shape of the enclosure front Actuator  design of the actuating element principle of operation of the actuating element diffection of actuation product extension optional light source color of the actuating element material of the actuating element  outer diameter of the actuating element shape of the actuating element material of the actuating element  outer diameter of the actuating element shape of the actuating element  outer diameter of the actuating element number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2  Maximum deflection angle [*]  product component front ring design of the front ring product component front ring product component front ring design of the front ring plastic color of the front ring high material of the holder  Plastic  General technical data  product function positive opening insulation voltage rated value  6 kV	product designation	Coordinate switches
product line manufacturer's article number  • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied holder • of the supplied actuator  • of the supplied actuator  shape of the enclosure front  Actuator  design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source  color of the actuating element material of the actuating element product extension optional light source  outer diameter of the actuating element shape of the actuating element product extension optional light source  outer diameter of the actuating element number of contact modules 2 type of unlocking device number of switching positions 2 maximum deflection angle [*]  Front ring product extension option front ring design of the front ring high material of the front ring high material of the front ring black  Holder  material of the front ring high material of the front ring plastic color of the front ring high material of the holder  Plastic  General technical data product function positive opening No insulation voltage rated value 6 kV	design of the product	Complete unit
manufacturer's article number  • of supplied contact module at position 1  • of supplied contact module at position 3  • of the supplied holder  • of the supplied holder  • of the supplied actuator  Enclosure  shape of the enclosure front  design of the actuating element  principle of operation of the actuating element  direction of actuation  product extension optional light source  color of the actuating element  shape of the actuating element  product extension optional light source  color of the actuating element  shape of the actuating element  publack  material of the actuating element  number of contact modules  2  type of unlocking device  number of switching positions  2  Maximum deflection angle [*]  product component front ring  product component front ring  plastic  color of the front ring  plastic  color of the front ring  black  Holder  material of the holder  Ceneral technical data  product function positive opening  No  insulation voltage rated value  6 kV	product type designation	3SU1
of supplied contact module at position 1     of supplied contact module at position 3     of the supplied holder     of the supplied holder     of the supplied actuator     of the supplied actuator     of the supplied actuator     sulfactor     shape of the enclosure front	product line	Plastic, black, 22 mm
of supplied contact module at position 3     of the supplied holder     of the supplied actuator     supplied of the enclosure front     supplied of the enclosure front     supplied of operation of the actuating element     principle of operation of the actuating element     direction of actuation     product extension optional light source     color of the actuating element     plack     material of the actuating element     plack     shape of the actuating element     pushed handle     outer diameter of the actuating element     number of contact modules     2     type of unlocking device     number of switching positions     2     Maximum deflection angle [*]     30°  Front ring     product component front ring     design of the front ring     plastic     color of the front ring     plastic     color of the front ring     material of the holder     Ceneral technical data     product function positive opening     insulation voltage rated value     surge voltage resistance rated value     6 kV	manufacturer's article number	
of the supplied holder     of the supplied actuator     3SU1550-0BA10-0AA0      end to supplied actuator      Su1000-7BA10-0AA0  Enclosure  shape of the enclosure front  Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element direction of actuation horizontal product extension optional light source No color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 20.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30°  Front ring product component front ring high material of the front ring plastic color of the front ring black  Holder material of the holder Plastic  General technical data product and the surface of the surfac	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1BA0
• of the supplied actuator  shape of the enclosure front  Actuator  design of the actuating element   latching   principle of operation of the actuating element   latching   direction of actuation   horizontal   product extension optional light source   No   color of the actuating element   plastic   shape of the actuating element   plastic   shape of the actuating element   Extended handle   outer diameter of the actuating element   30.5 mm   number of contact modules   2   type of unlocking device   push-to-unlatch mechanism   number of switching positions   2   Maximum deflection angle [*]   30°  Front ring   Yes   design of the front ring   plastic   color of the fr	<ul> <li>of supplied contact module at position 3</li> </ul>	3SU1400-1AA10-1BA0
Enclosure shape of the enclosure front Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation horizontal interlocking product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring high material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage and color of kV	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0BA10-0AA0
shape of the enclosure front  Actuator  design of the actuating element with mechanical interlocking  principle of operation of the actuating element direction of actuation  product extension optional light source No  color of the actuating element black material of the actuating element plastic  shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm  number of contact modules 2  type of unlocking device push-to-unlatch mechanism number of switching positions 2  Maximum deflection angle [°] 30°  Front ring  product component front ring high material of the front ring black  tolder  material of the holder Plastic  General technical data  product function positive opening No insulation voltage rated value 500 V  degree of pollution 3  type of voltage of the operating voltage AC/DC surge voltage resistance rated value  6 kV	<ul> <li>of the supplied actuator</li> </ul>	3SU1000-7BA10-0AA0
Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation horizontal product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring high material of the front ring plastic color of the front ring black Holder Plastic General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage and color of the CDC surge voltage resistance rated value 6 kV	Enclosure	
design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation horizontal product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 2 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 2 Maximum deflection angle [*] 30°  Front ring product component front ring high material of the front ring plastic color of the front ring plastic color of the front ring black holder product function positive opening insulation voltage rated value 500 V degree of pollution 3 type of voltage resistance rated value 6 kV	shape of the enclosure front	round
principle of operation of the actuating element direction of actuation product extension optional light source No color of the actuating element black material of the actuating element shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element shape of the actuating element cuter diameter of the actuating element pumber of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] so" Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring thigh material of the holder Plastic  General technical data product function positive opening insulation voltage rated value degree of pollution surge voltage of the operating voltage surge voltage resistance rated value  6 kV	Actuator	
direction of actuation product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules 2 type of unlocking device number of switching positions 2 Maximum deflection angle [°] source design of the front ring material of the front ring the folder material of the holder  General technical data product function positive opening insulation voltage rated value degree of pollution super voltage resistance rated value  6 kV	design of the actuating element	with mechanical interlocking
product extension optional light source  color of the actuating element  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  number of contact modules  type of unlocking device  number of switching positions  and a swimum deflection angle [°]  product component front ring  product component front ring  design of the front ring  material of the front ring  material of the holder  material of the holder  General technical data  product function positive opening  insulation voltage rated value  degree of pollution  support the structure of the structure of the positions of the positions of the operating voltage  AC/DC  surge voltage resistance rated value  final structure of the structure of the content of the color of the operating voltage  AC/DC  surge voltage resistance rated value  final structure of the catuating element  black  No  surge voltage resistance rated value  final structure of the catuating element  plastic  plastic  plastic  plastic  plastic  plastic  plastic  for of the holder  Plastic  general technical data  product function positive opening  No  insulation voltage atted value  for the operating voltage  AC/DC  surge voltage resistance rated value  for the final structure of the structure	principle of operation of the actuating element	latching
color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	direction of actuation	horizontal
material of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring high high material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element number of contact modules 2 type of unlocking device number of switching positions 2 Maximum deflection angle [°] 7 30°  Front ring product component front ring design of the front ring material of the front ring color of the front ring holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value  500 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 6 kV	color of the actuating element	black
outer diameter of the actuating element number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 6 kV	material of the actuating element	plastic
number of contact modules  type of unlocking device number of switching positions  2  Maximum deflection angle [°] 30°  Front ring product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black  Holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value  4 6 kV  surge voltage resistance rated value  6 kV	shape of the actuating element	Extended handle
type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV	outer diameter of the actuating element	30.5 mm
number of switching positions  Maximum deflection angle [°] 30°  Front ring  product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black  Holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	number of contact modules	2
Maximum deflection angle [°] 30°  Front ring product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	type of unlocking device	push-to-unlatch mechanism
Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  6 kV	number of switching positions	2
product component front ring  design of the front ring  material of the front ring  plastic  color of the front ring  black  Holder  material of the holder  Plastic  General technical data  product function positive opening  insulation voltage rated value  type of voltage of the operating voltage  surge voltage resistance rated value  find  AC/DC  surge voltage resistance rated value  find  high  high  high  Plastic  Plastic  No  Solv  AC/DC  Surge voltage resistance rated value  find  AC/DC  Surge voltage resistance rated value  find  AC/DC  Surge voltage resistance rated value  find  AC/DC	Maximum deflection angle [°]	30°
design of the front ring material of the front ring plastic color of the front ring black  Holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value type of voltage of the operating voltage surge voltage resistance rated value  6 kV	Front ring	
material of the front ring plastic color of the front ring black  Holder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V  degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	product component front ring	Yes
color of the front ring black  Holder  material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 500 V  degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	design of the front ring	high
Holder  material of the holder  General technical data  product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  Surge voltage resistance rated value  Plastic  No  Soo V  AC/DC  Surge voltage resistance rated value  6 kV	material of the front ring	plastic
material of the holder  General technical data  product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  Plastic  No  500 V  AC/DC  Surge voltage resistance rated value 6 kV	color of the front ring	black
product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  Surge voltage resistance rated value  No  500 V  AC/DC  Surge voltage resistance rated value  6 kV	Holder	
product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage  surge voltage resistance rated value  No  500 V  AC/DC  surge voltage resistance rated value  6 kV	material of the holder	Plastic
insulation voltage rated value 500 V  degree of pollution 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 6 kV	General technical data	
degree of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     6 kV	product function positive opening	No
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	insulation voltage rated value	500 V
surge voltage resistance rated value 6 kV	degree of pollution	3
	type of voltage of the operating voltage	AC/DC
protection class IP IP65 IP67	surge voltage resistance rated value	6 kV
	protection class IP	IP65, IP67

of the terminal	IP20
shock resistance	
<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
vibration resistance	
<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (switching cycles)	
as operating period per direction of actuation typical	100 000
electrical endurance (switching cycles) typical	10 000 000
electrical endurance (switching cycles) with	10 000 000
contactors 3RT1015 to 3RT1026 typical	
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
Contact renability	million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	2
Connections/ Terminals	2
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
type of connectable conductor cross-sections  • solid with core end processing	2x (0.5 0.75 mm²)
type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • at AWG cables  tightening torque of the screws in the bracket  tightening torque for auxiliary contacts with screw-type terminals  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	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections <ul> <li>solid with core end processing</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>tightening torque for auxiliary contacts with screw-type terminals</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures         <ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> </li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>Ambient conditions</li>	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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  Ambient conditions ambient temperature	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT
type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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  Ambient conditions ambient temperature • during operation	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT
type of connectable conductor cross-sections <ul> <li>solid with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>tightening torque for auxiliary contacts with screw-type terminals</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures         <ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> </li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>Ambient conditions</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li>	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT -25 +70 °C -40 +80 °C
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting
type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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  Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting
type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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  Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting Front plate mounting Front plate mounting 40 mm
type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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  e with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method • of modules and accessories height width	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  100 000  20 % 20 % 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting Front plate mounting 40 mm 40 mm

positive tolerance of installation diameter	0.4 mm
mounting height	75.6 mm
installation width	30.5 mm
installation depth	53.7 mm
Certificates/ approvals	

**Further information** 

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

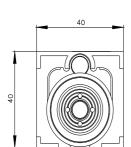
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-7BA10-1NA0-Z X90

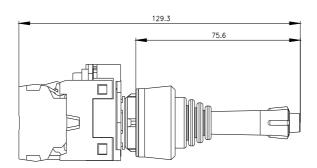
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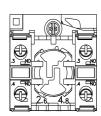
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BA10-1NA0-Z X90

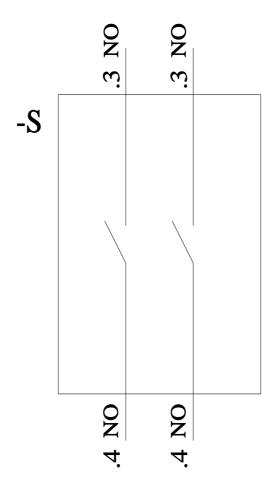
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BA10-1NA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7BA10-1NA0-Z X90&lang=en









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