## SIEMENS

## Data sheet

## 3SU1130-7BB10-1NA0-Z X90



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

product brand name         SIRUS ACT           product design ation         Coordinate switches           design of the product         Complete unit           product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         SU1400-1AA10-1BA0           • of supplied contact module at position 2         3SU1400-1AA10-1BA0           • of supplied contact module at position 4         3SU1030-7BB10-0AA0           • of the supplied actuator         3SU1030-7BB10-0AA0           Enclosure         Stape of the enclosure front           shape of the actuating element         with mechanical interlocking           principle of operation of the actuating element         Iatching           design of the actuating element         black           material of the actuating element         plastic           shape of the actuating element         plastic           shape of the actuating element         plastic           material of the actuating element         plastic           shape of the actuating element         plastic           shape of the actuating element         plastic           material of the actuating element         plastic           material of the actuating element         so 5 mm	•	
product type designation         Complete unit           product type designation         3SU1           product time         Plastic with metal front ring, matt, 22 mm           ansufacturer's article number         3SU1400-1AA10-1BA0           • of supplied contact module at position 4         3SU1550-0BA10-0AA0           • of the supplied holder         3SU1030-7BB10-0AA0           • of the supplied actuator         3SU1030-7BB10-0AA0           Enclosure         Supplied contact module at position 4           sign of the supplied actuator         3SU1030-7BB10-0AA0           Enclosure         Supplied contact module at position 4           sign of the actuating element         with mechanical interlocking           principle of operation of the actuating element         latching           vertical         vertical           product extension optional light source         No           color of the actuating element         black           material of the actuating element         so 5 mm           number of contact modules         2           type of unlocking device         pub-to-unlatch mechanism           number of switching positions         2           Maximum deflection angle [*]         30°           Front ring         high           material of the front ri	product brand name	SIRIUS ACT
product line         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         3SU1400-1AA10-1BA0           • of supplied contact module at position 2         3SU1400-1AA10-1BA0           • of the supplied holder         3SU1500-0BA10-0AA0           • of the supplied actuator         3SU10302-7BB10-0AA0           Enclosure         shape of the enclosure front           Actuator         design of the actuating element           uitropic of operation of the actuating element         latching           product extension optional light source         No           color of the actuating element         black           product extension optional light source         No           color of the actuating element         plastic           shape of the actuating element         softmat           utry product extension optional light source         No           outer diameter of the actuating element         plastic           shape of the actuating element         softmat           utry product actine duelse         2           type of unlocking device         pusht-to-unlatch mechanism           number of switching positions         2           Maximum deflection angle [*]         3°°           Front ring	product designation	Coordinate switches
product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         3SU1400-1AA10-1BA0           • of supplied contact module at position 2         3SU1400-1AA10-1BA0           • of the supplied holder         3SU1550-0BA10-0BA0           • of the supplied contact module at position 4         3SU1500-7BB10-0BA0           • of the supplied actuator         3SU1030-7BB10-0BA0           Enclosure         shape of the enclosure front         round           Actuator         design of the actuating element         latching           grinciple of operation of the actuating element         latching         vertical           product extension optional light source         No         oo           color of the actuating element         plastic         stand           shape of the actuating element         plastic         stand           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         high           material of the front ring         Metal, matt         celor of the front ring         high           material of the fortholder         <	design of the product	Complete unit
manufacturer's article number       3SU1400-1AA10-1BA0         • of supplied contact module at position 2       3SU1400-1AA10-1BA0         • of the supplied holder       3SU1400-1AA10-1BA0         • of the supplied holder       3SU1550-0BA10-0AA0         • of the supplied actuator       3SU1030-7BB10-0AA0         Shape of the enclosure front       round         Actuator       with mechanical interlocking         grinciple of operation of the actuating element       latching         grinciple of operation of the actuating element       latching         material of the actuating element       black         material of the actuating element       black         or of the actuating element       black         number of contact modules       2         type of unlocking olevice       push-to-unlatch mechanism         number of switching positions       2         type of unlocking device       push-to-unlatch mechanism         number of switching positions       2         feotit ring       high         material of the front ring       Metal, matt         color of the front ring       Yes         design of the front ring       Netal, matt         color of the front ring       Sign and gray         Holder       Plastic	product type designation	3SU1
	product line	Plastic with metal front ring, matt, 22 mm
• of supplied contact module at position 4         3SU1400-1AA10-1BA0           • of the supplied actuator         3SU1550-0BA10-0AA0           • of the supplied actuator         3SU1030-7BB10-0AA0           Enclosure         round           Actuator         interplate actuating element           design of the actuating element         latching           direction of of actuating element         latching           direction of of the actuating element         latching           oclor of the actuating element         black           material of the actuating element         plastic           shape of the actuating element         plastic           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           material of the front ring         Yes           design of the front ring         Yes           design of the front ring         Metal, matt           color of the front ring         sand gray	manufacturer's article number	
of the supplied holder     of the supplied actuator     assure of the supplied actuator     assure of the supplied actuator     assure of the enclosure front     actuating element     actuating	<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
• of the supplied actuator       3SU1030-7BB10-0AAQ         Enclosure       round         Actuator       round         design of the actuating element       with mechanical interlocking         principle of operation of the actuating element       latching         direction of actuation       vertical         product extension optional light source       No         color of the actuating element       black         material of the actuating element       plastic         shape of the actuating element       shape 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       high         material of the front ring       Ne         design of the front ring       Sand gray         Holder       Plastic         General technical data       500 V         insulation voltage rated value       500 V         insulation voltage rated value       600 V         design of blage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV	<ul> <li>of supplied contact module at position 4</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
Enclosure           shape of the enclosure front         round           Actuator         with mechanical interlocking           design of the actuating element         latching           direction of actuation         vertical           product extension optional light source         No           color of the actuating element         plastic           shape of the actuating element         so 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         high           material of the front ring         high           material of the front ring         high           material of the holder         Plastic           Geoign of the front ring         sand gray           Holder         material of the holder           product function positive opening         No           insulation voltage rated value<	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0BA10-0AA0</u>
shape of the enclosure front         round           Actuator         design of the actuating element         with mechanical interlocking           principle of operation of the actuating element         latching           direction of actuation         vertical           product extension optional light source         No           color of the actuating element         black           material of the actuating element         plastic           shape of the actuating element         Do.5 mm           number of contact modules         2           type of unlocking device         push-to-unlatch mechanism           number of switching positions         2           material of the front ring         Yes           design of the front ring         Netal, matt           color of the front ring         Metal, matt           color of the front ring         Sangray           Holder         Plastic           General technical data         Foot vice           product function positive opening         No           insulation voltage rated value         500 V           degree of pollution         3           type of voltage resistance rated value         6 kV	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1030-7BB10-0AA0</u>
Actuator         design of the actuating element       with mechanical interlocking         principle of operation of the actuating element       latching         direction of actuation       vertical         product extension optional light source       No         color of the actuating element       black         material of the actuating element       plastic         shape of the actuating element       plastic         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         material of the front ring       Yes         design of the front ring       Netal, matt         color of the front ring       Metal, matt         color of the holder       Plastic         General technical data       product function positive opening         product function positive opening       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC	Enclosure	
design of the actuating element         with mechanical interlocking           principle of operation of the actuating element         latching           direction of actuation         vertical           product extension optional light source         No           color of the actuating element         black           material of the actuating element         plastic           shape 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         Metal, matt           color of the front ring         sand gray           Holder         Plastic           general technical data         500 V           deref of pollution         3           type of voltage rated value         500 V	shape of the enclosure front	round
principle of operation of the actuating element       latching         direction of actuation       vertical         product extension optional light source       No         color of the actuating element       black         material of the actuating element       plastic         shape of the actuating element       sols mm         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       Metal, matt         color of the holder       Plastic         General tochnical data       Product function positive opening         product function positive opening       No         insulation voltage rated value       50 V         degree of pollution       3         type of voltage rated value       6 kV	Actuator	
direction of actuation       vertical         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       Yes         product component front ring       Netal, matt         color of the front ring       Metal, matt         color of the holder       Plastic         General technical data       Product function positive opening         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 actuating element	with mechanical interlocking
product extension optional light source         No           color of the actuating element         black           material of the actuating element         plastic           shape of the actuating element         30.5 mm           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         Metal, matt           color of the front ring         Metal, matt           color of the holder         Plastic           General technical data	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       30.5 mm         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       Yes         design of the front ring       Metal, matt         color of the holder       Plastic         General technical data       product function positive opening         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	vertical
material of the actuating elementplasticshape of the actuating element30.5 mmouter diameter of the actuating element30.5 mmnumber of contact modules2type of unlocking devicepush-to-unlatch mechanismnumber of switching positions2Maximum deflection angle [°]30°Front ringYesproduct component front ringYesdesign of the front ringMetal, mattcolor of the front ringsand grayHolderPlasticgeneral technical data500 Vjustition positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	product extension optional light source	No
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       Yes         design of the front ring       Metal, matt         color of the front ring       Metal, matt         color of the front ring       Metal, matt         material of the holder       Plastic         general technical data       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV	color of the actuating element	black
outer diameter of the actuating element30.5 mmnumber of contact modules2type of unlocking devicepush-to-unlatch mechanismnumber of switching positions2Maximum deflection angle [°]30°Front ringYesproduct component front ringYesdesign of the front ringMetal, mattcolor of the front ringSand grayHolderPlasticgeneral technical data500 Vproduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	material of the actuating element	plastic
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       Yes         design of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         General technical data       product function positive opening         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	shape of the actuating element	Extended handle
type of unlocking devicepush-to-unlatch mechanismnumber of switching positions2Maximum deflection angle [°]30°Front ringYesproduct component front ringYesdesign of the front ringhighmaterial of the front ringMetal, mattcolor of the front ringsand grayHolderPlasticgroduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	outer diameter of the actuating element	30.5 mm
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       Metal, matt         color of the front ring       sand gray         Holder       Plastic         General technical data       Fourt function positive opening         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	number of contact modules	2
Maximum deflection angle [°]       30°         Front ring       Yes         product component front ring       high         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         General technical data       Froduct function positive opening         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       Yes         design of the front ring       high         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         material of the holder       Plastic         General technical data       product function positive opening         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	number of switching positions	2
product component front ringYesdesign of the front ringhighmaterial of the front ringMetal, mattcolor of the front ringsand grayHolderPlasticmaterial of the holderPlasticGeneral technical dataNoproduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	Maximum deflection angle [°]	30°
design of the front ringhighmaterial of the front ringMetal, mattcolor of the front ringsand grayHolderPlasticmaterial of the holderPlasticGeneral technical dataNoproduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	Front ring	
material of the front ringMetal, mattcolor of the front ringsand grayHolderPlasticmaterial of the holderPlasticGeneral technical dataproduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	product component front ring	Yes
color of the front ringsand grayHolderPlasticmaterial of the holderPlasticGeneral technical dataNoproduct function positive openingNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	design of the front ring	high
Holder         material of the holder       Plastic         General technical data       Plastic         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	material of the front ring	Metal, matt
material of the holder       Plastic         General technical data       No         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	color of the front ring	sand gray
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	Holder	
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	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)	
<ul> <li>as operating period per direction of actuation typical</li> </ul>	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
<ul> <li>at DC rated value</li> </ul>	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
<b>,</b>	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	-
turne of electrical connection of modules and ecoecoeries	Carou type terminal
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 <ul> <li>solid with core end processing</li> <li>solid without core end processing</li> </ul>	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
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> </ul>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> )
<ul> <li>type of connectable conductor cross-sections</li> <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> </ul>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> )
<ul> <li>type of connectable conductor cross-sections</li> <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>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14)
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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m
<ul> <li>type of connectable conductor cross-sections</li> <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>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14)
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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 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         • 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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         • 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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         • 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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         • 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 %
<ul> <li>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> <li>tightening torque of the screws in the bracket <ul> <li>tightening torque for auxiliary contacts with screw-type terminals</li> </ul> </li> <li>Safety related data <ul> <li>B10 value with high 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> </ul> </li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 %
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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 %
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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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         • 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         failure rate [FIT] with low demand rate according to SN 31920         Ambient conditions         ambient temperature         • during operation	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT -25 +70 °C
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         failure rate [FIT] with low demand rate according to SN 31920         during operation         • during storage	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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         • 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         failure rate [FIT] 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 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT -25 +70 °C
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 <ul> <li>tightening torque for auxiliary contacts with screw-type terminals</li> </ul> </li> <li>Safety related data <ul> <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>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> </li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>during operation <ul> <li>during storage</li> <li>environmental category during operation according to IEC</li> </ul> </li> </ul></li>	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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
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         failure rate [FIT] with low demand rate according to SN 31920         during operation         • during operation         • during storage         environmental category during operation according to IEC 60721	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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
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 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         failure rate [FIT] with low demand rate according to SN 31920         during operation         • during operation         • during storage         environmental category during operation according to IEC 60721         Installation/ mounting/ dimensions	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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 solid with core end processing solid without core end processing finely stranded with 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 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 Installation/ mounting/ dimensions fastening method	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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
type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with 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 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 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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
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 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	2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 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 • 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 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 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 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 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)

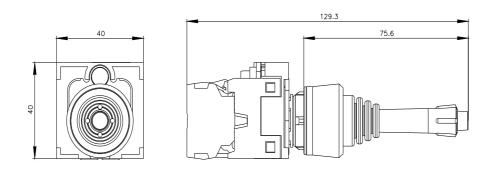
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1130-7BB10-1NA0-Z X90

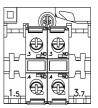
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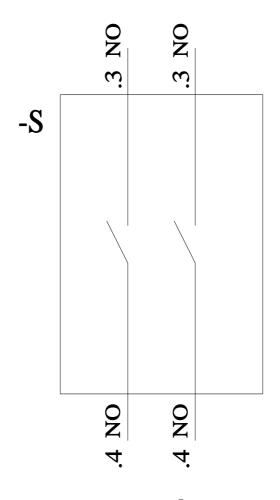
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7BB10-1NA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7BB10-1NA0-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=3SU1130-7BB10-1NA0-Z X90&lang=en







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