## SIEMENS

## Data sheet

## 3SU1130-7BB10-1NA0



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,

product brand name         SIRUS ACT           product designation         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         3SU1400-1AA10-1BA0           • of supplied contact module at position 2         3SU1400-1AA10-1BA0           • of the supplied contact module at position 4         3SU1300-7BB10-0AA0           • of the supplied contact module at position 4         3SU1300-7BB10-0AA0           • of the supplied contact module at position 4         3SU1300-7BB10-0AA0           • of the supplied contact module at position 4         3SU1300-7BB10-0AA0           • of the supplied contact module at position 4         3SU1300-7BB10-0AA0           • of the supplied contact module at position 7         round           Activator         with mechanical interlocking           design of the actuating element         with mechanical interlocking           product extension optional light source         No           color of the actuating element         plastic           shape of the actuating element         plastic           ype of unlocking device         push-to-unlatch mechanism           number of contact modules         2				
design of the product         Complete unit           product type designation         3SU1           product time         Plastic with metal front ring, matt, 22 mm           anufacturer's article number         3SU1400-1AA10-1BA0           • of supplied contact module at position 4         3SU1580-0BA10-0AA0           • of the supplied noder         3SU1030-7BB10-0AA0           • of the supplied actuator         3SU1030-7BB10-0AA0           Enclosure         For actuating element           shape of the enclosure front         round           Actuator         actuating element           principle of operation of the actuating element         latching           principle of operation of the actuating element         black           material of the actuating element         black           material of the actuating element         black           material of the actuating element         black           number of contact modules         2           type of unlocking device         push-to-unlatch mechanism           number of contact modules         2           training         Yes           design of the front ring         Yes           design of the front ring         Ne           number of contact modules         2           type o	product brand name	SIRIUS ACT		
product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         9SU1400-1AA10-1BA0           • of supplied contact module at position 4         3SU1500-0BA10-0AA0           • of the supplied holder         3SU1500-0BA10-0AA0           • of the supplied cutator         3SU1500-0BA10-0AA0           Enclosure	product designation	Coordinate switches		
Image: Second	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 contact module at position 4       3SU1400-1AA10-1BA0         • of the supplied contact module at position 4       3SU150-0BA10-0AA0         • of the supplied actuator       3SU1030-7BB10-0AA0         Enclosure       shape of the enclosure front         design of the actuating element       with mechanical interlocking         principle of operation of the actuating element       latching         girection of actuation       vertical         product extension optional light source       No         color of the actuating element       black         material of the actuating element       static         shape of the actuating element       sols mm         number of contact modules       2         type of unlocking oevice       push-to-unlatch mechanism         number of switching positions       2         ging of the front ring       high         material of the front ring       Netal, matt         color of the front ring       Son*         product component front ring       Yes         design of the front ring       Metal, matt <th>product type designation</th> <th colspan="2">3SU1</th>	product type designation	3SU1		
	product line	Plastic with metal front ring, matt, 22 mm		
of supplied contact module at position 4	manufacturer's article number			
of the supplied holder     of the supplied actuator     3SU1550-0BA10-0AA0     3SU1030-7BB10-0AA0     Shape of the enclosure front     round     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     plastic     shape of the actuating element     outer diameter of the actuating element     number of contact modules     2     type of unlocking positions     2     Maximum deflection angle [*]     30°     Front ring     product component front ring     high     material of the front ring     kleal, matt     color of the front ring     Metal, matt     color of the front ring     material of the front ring     forduct     function positive opening     No     insulation voltage rated value     500 V     degree of pollution     3     (Lype of voltage of the operating voltage     surge voltage resistance rated value     6 kV	<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       Yees         design of the front ring       high         material of the front ring       sand gray         Holder       material of the holder         product function positive opening       No         insulation voltage rated value       500 V         design 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       plastic         shape 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       high         material of the front ring       high         material of the front ring       No         color of the front ring       Sand gray         Holder       product function positive opening         material of the holder       Plastic         General tochnical ata       product function positive opening         insulation voltage rated value       500 V         insulation voltage rated value       600 V         degree of pollution       3         type of voltage of	<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         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           Holder         material of the holder           product function positive opening         S00 V           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       so.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         Holder       Plastic         General technical data       500 V         gree of pollution       3         type of voltage restance rated value       60V V	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 holder         Plastic           General tochnical data         Plastic           gradient of the nolder         Plastic           General tochnical data         Fool voltage rated value           foo V         3           direction positive opening         No           insulation voltage rated value         500 V           degree of pollution         3           type of voltage of the operating voltage         AC/DC	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       solor 5mm         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       high         material of the holder       Plastic         General tachnical data       Product function positive opening         product function positive opening       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage rated value       6kV	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       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       Yes         product component front ring       high         material of the front ring       Netal, matt         color of the cholder       Plastic         General technical data       Foot vince 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         Netal, matt           color of the front ring         Metal, matt           color 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	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 Vjnsulation 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         product component front ring       Yes         design of the front ring       Metal, matt         color of the front ring       Metal, matt         color of the front ring       Sand gray         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 ringMetal, mattcolor of the front ringPlasticGeneral technical dataPlasticproduct 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         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 device       push-to-unlatch mechanism         number of switching positions       2         Maximum deflection angle [°]       30°         Front ring       Yes         product component front ring       Yes         design of the front ring       Metal, matt         color of the front ring       Metal, matt         color of the front ring       Sand gray         Holder       Plastic         general technical data       Fourt 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	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          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 dataNoinsulation 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 ring       high         material of the front ring       Metal, matt         color of the front ring       sand gray         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	Front ring			
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         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 ringsand grayHolderPlasticmaterial of the holderPlasticGeneral technical dataPlasticproduct 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			
	surge voltage resistance rated value			
	protection class IP	IP65, IP67		

	1700
of the terminal	IP20
shock resistance	
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
according to IEC 60068-2-6	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
	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	-
type of electrical connection of modules and accessories	Screw-type terminal
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
<ul> <li>type of connectable conductor cross-sections</li> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>type of connectable conductor cross-sections</li> <li>solid with core end processing</li> <li>solid without core end processing</li> </ul>	2x (0.5 0.75 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> </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         • 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 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	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         • 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	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
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 %
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	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 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         failure rate 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 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 high 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         • 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         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 <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 of 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>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>failure rate [FIT] with low demand rate according to SN 31920</li> <li>failure rate [FIT] 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 according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> Installation / mounting/ dimensions <ul> <li>fastening method</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 % 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 <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 of 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>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>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> </li> <li>Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>fastening method <ul> <li>of modules and accessories</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 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 <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>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>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> </li> <li>Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>fastening method <ul> <li>of modules and accessories</li> <li>height</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 % 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 <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>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>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> </li> <li>Ambient conditions <ul> <li>ambient temperature <ul> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>fastening method <ul> <li>of modules and accessories</li> <li>height</li> <li>width</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 condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting Front plate mounting Front plate mounting 40 mm 40 mm

positive tolerance of	of installation diameter	0.4 r	nm		
mounting height		75.6	mm		
installation width		30.5	mm		
installation depth		53.7	mm		
Certificates/ approva	ls				
General Product A	pproval				Declaration of Conformity
SF.	<u>Confirmation</u>	CCC	(UL)	EHC	UK CA
Declaration of Conformity	Test Certificates		Marine / Shipping		
CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyds Register uxs	PRS
Marine / Shipping		other			
RINA	<b>RMRS</b>	Confirmation			
https://www.siemens Industry Mall (Onlin	ownloadcenter (Catalog com/ic10 ne ordering system) siemens.com/mall/en/en/				

nup.//support.automation.siemens.com/vvvv/CAXorder/detault.aspx/lang=en&mitb=3SU1130-7BB10-1NA

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