3SU1130-7BD10-1NA0

Data sheet



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, vertical, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal

product brand name	SIRIUS 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	Tracke With Motal Work High, Mate, 22 Hill
of supplied contact module at position 2	3SU1400-1AA10-1BA0
of supplied contact module at position 4	3SU1400-1AA10-1BA0
of the supplied holder	3SU1550-0BA10-0AA0
of the supplied actuator	3SU1030-7BD10-0AA0
Enclosure	
shape of the enclosure front	round
Actuator	
design of the actuating element	with mechanical interlocking
principle of operation of the actuating element	momentary contact type
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	
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	
material of the holder	Plastic
General technical data	
product function positive opening	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	IP65, IP67

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)	
as operating period per direction of actuation typical	500 000
electrical endurance (switching cycles) typical	10 000 000
electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
	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 connectable conductor cross-sections	
 solid with core end processing 	2x (0.5 0.75 mm²)
·	2x (1.0 1.5 mm²)
 solid without core end processing 	ZX (1:U 1:3 HIIII)
 solid without core end processing finely stranded with core end processing 	
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
finely stranded with core end processingfinely stranded without core end processing	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
finely stranded with core end processingfinely stranded without core end processingat AWG cables	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14)
 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 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
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 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14)
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 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
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 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
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	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
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	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
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finely stranded with core end processing finely stranded without core end processing at AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 250 000 20 % 20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
finely stranded with core end processing finely stranded without core end processing at AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 250 000 20 % 20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
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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

General Product Approval

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1130-7BD10-1NA0

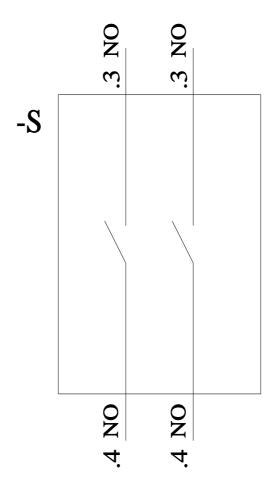
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