

Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal latching, without 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
Manufacturer's article number	
<ul style="list-style-type: none"> • 1 of supplied contact module • 3 of supplied contact module • of the supplied holder • of the supplied actuator 	<ul style="list-style-type: none"> 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-0BA10-0AA0 3SU1030-7AA10-0AA0

Enclosure

Shape of the enclosure front	round
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Actuator

Design of the operating mechanism	without mechanical interlock
Manner of function of the actuating element	latching
Direction of actuation	horizontal
Product extension optional Light source	No
Color	
<ul style="list-style-type: none"> • 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
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	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Operating frequency maximum	3 600 1/h
Mechanical service life (switching cycles)	
• as operating period per direction of actuation typical	100 000
Electrical endurance (switching cycles)	
• typical	10 000 000
Electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical	10 000 000
Thermal current	10 A
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	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
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)
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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
Number of CO contacts	
• for auxiliary contacts	0

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 mm ²)
• solid without core end processing	2x (1.0 ... 1.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• at AWG conductors	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
• for auxiliary contacts with screw-type terminals	0.8 ... 1 N·m

Safety related data

B10 value	
• with high demand rate acc. to SN 31920	100 000
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
Failure rate [FIT]	
• with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C

Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted for all devices behind front panel)
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Installation/ mounting/ dimensions

Mounting type	front mounting
• of modules and accessories	Front plate mounting
Height	40 mm
Width	40 mm
Shape of the installation opening	round
Mounting diameter	22.3 mm
Positive tolerance of installation diameter	0.4 mm
Mounting height	71.3 mm
Installation width	30.5 mm
Installation depth	53.7 mm

Certificates/approvals

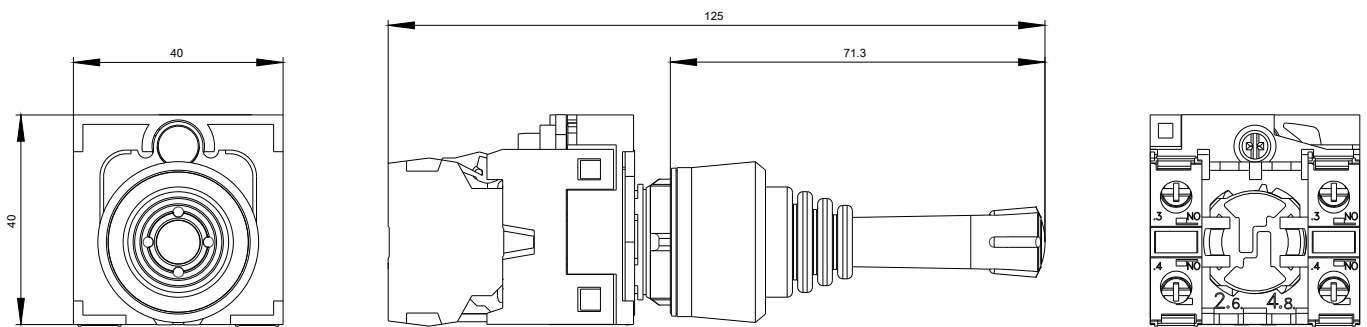
General Product Approval			Declaration of Conformity		
					Miscellaneous
CCC	CSA	UL		EG-Konf.	

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report					
	ABS	LRS	PRS	RINA	RMRS

Marine / Shipping	other
	Confirmation
DNVGL.COM/AF	

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1130-7AA10-1NA0>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AA10-1NA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AA10-1NA0>





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