SIEMENS

Data sheet

3SU1150-7AF88-1QA0



Coordinate switch, 22 mm, round, metal shiny, black, 4 switch positions, momentary contact type, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal,

product brand name SIRUS ACT product designation Coordinate switches design of the product Complete unit product type designation 38U1 product line Metal, shiny, 22 mm manufacturer's article number - • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied holder 3SU150-0BA10-0AA0 • of the supplied actuator 3SU1050-7AF88-0AA0 Enclosure Tound Actuator - design of the actuating element without mechanical interlock principle of operation of the actuating element momentary contact type direction of actuation horizontal / vertical product extension optional light source No color of the actuating element plack material of the actuating element plack	•			
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number of contact modules 4 number of switching positions 4 Maximum deflection angle [°] 30° Front ring Yes design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	shape of the actuating element	Extended handle		
number of switching positions 4 Maximum deflection angle [°] 30° Front ring product component front ring Yes design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	outer diameter of the actuating element	30.5 mm		
Maximum deflection angle [°] 30° Front ring Yes product component front ring Yes design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	number of contact modules	4		
Front ring Yes product component front ring high design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	number of switching positions	4		
product component front ring Yes design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	Maximum deflection angle [°]	30°		
design of the front ring high material of the front ring Metal, high gloss color of the front ring silver	Front ring			
material of the front ring Metal, high gloss color of the front ring silver	product component front ring	Yes		
color of the front ring silver	design of the front ring	high		
	material of the front ring	Metal, high gloss		
	color of the front ring	silver		
Holder	Holder			
material of the holder Plastic	material of the holder	Plastic		
General technical data	General technical data			
product function positive opening No	product function positive opening	No		
insulation voltage rated value 500 V	insulation voltage rated value	500 V		
degree of pollution 3	degree of pollution	3		
type of voltage of the operating voltage AC/DC	type of voltage of the operating voltage	AC/DC		
surge voltage resistance rated value 6 kV	surge voltage resistance rated value	6 kV		
protection class IP IP65, IP67	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 (operating cycles)	
 as operating period per direction of actuation typical 	500 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating 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
contact reliability	(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	4
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)
 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)
 for AWG cables 	2x (18 14)
tightening torque of the screws in the bracket	11.2 N·m
tightening torque for auxiliary contacts with screw-type terminals	0.8 1 N·m
Safety related data	0.0 TN III
	250.000
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	22.97
with low demand rate according to SN 31920	20 %
with high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according 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)
Installation/ mounting/ dimensions	
fastening method	front plate 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	74.0 mm
	71.3 mm
installation width	30.5 mm

installation depth		53.7	mm		
Certificates/ approvals General Product Appr	roval				Declaration of Con- formity
	<u>Confirmation</u>		(U) II	EHC	UK CA
Declaration of Con- formity	Test Certificates		Marine / Shipping		
CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyds Register us	PRS
Marine / Shipping	other	Environment			
RINA	Confirmation	Environmental Con- firmations			

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1150-7AF88-1QA0

Cax online generator

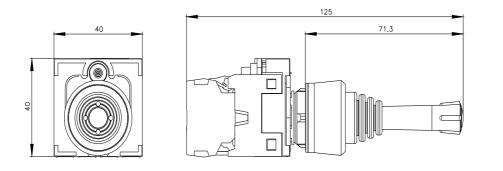
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7AF88-1QA0

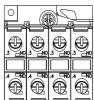
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

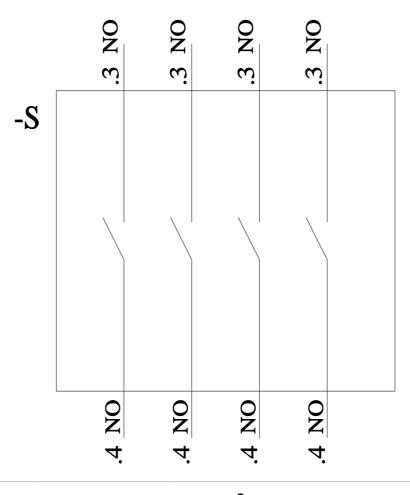
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7AF88-1QA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-7AF88-1QA0&lang=en







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