# 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	SIRIUS ACT		
product designation	Coordinate switches		
design of the product	Complete unit		
product type designation	3SU1		
product line	Metal, shiny, 22 mm		
manufacturer's article number			
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied contact module at position 3</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied contact module at position 4</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0BA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1050-7AF88-0AA0</u>		
Enclosure			
shape of the enclosure front	round		
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	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	4		
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		
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		
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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)	500.000
as operating period per direction of actuation typical	500 000
electrical endurance (operating cycles) typical electrical endurance (operating cycles) with contactors	10 000 000 10 000 000
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
• 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
Auxiliary circuit	(5 V, 1 mA)
	Silver allow
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0 4
number of NO contacts for auxiliary contacts	4
Connections/ Terminals	Carow two terminal
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	0x (0 F 0 7 F mm <sup>2</sup> )
solid with core end processing	2x (0.5 0.75 mm <sup>2</sup> )
<ul> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> </ul>	2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
finely stranded with core end processing     finely stranded without core end processing	2x (0.5 1.5 mm <sup>2</sup> )
for AWG cables	2x (1,0 1,5 mm) 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	0.0 1 1111
proportion of dangerous failures	
with low demand rate according to SN 31920	20 %
-	20 %
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	20 % 100 FIT
31920	
B10 value with high demand rate according to SN 31920	250 000
IEC 62061	
T1 value for proof test interval or service life according to IEC 61508	20 a
Ambient conditions	
ambient temperature	25 ±70 °C
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)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.593 kg
Global Warming Potential [CO2 eq] during manufacturing	0.625 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.267 kg
Installation/ mounting/ dimensions	

fastening method	front plate mounting
<ul> <li>of modules and accessories</li> </ul>	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
Approvals Certificates	

General Product Approval

(SP) CM	C C EG-Konf.	UK CA	<u>Confirmation</u>		(ال س
General Product Approval	Test Certificates		Marine / Shipping		
EHC	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyd's Register urs	PRS
Marine / Shipping	other				
RINA	Confirmation				

#### 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

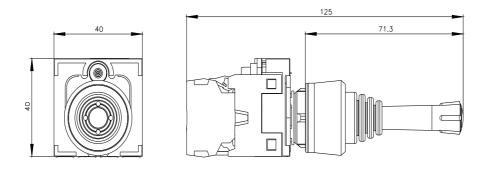
Cax online generator

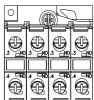
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7AF88-1QA0

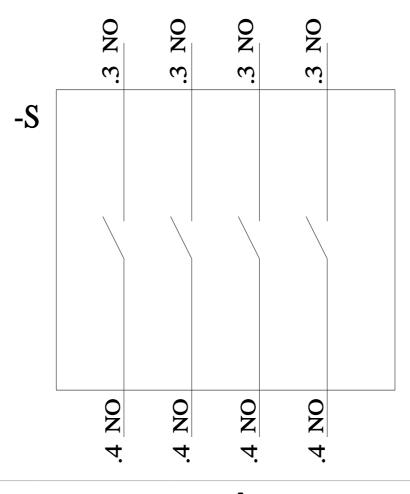
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-7AF88-1QA0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-7AF88-1QA0&lang=en</a>







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