3SU1150-7AD88-1NA0

Data sheet



Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, vertical momentary contact type, 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
product line	Metal, shiny, 22 mm
manufacturer's article number	
 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	3SU1050-7AD88-0AA0
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	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
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, 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
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 at DC rated value	5 500 V
Power Electronics	5 500 V
	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	2
Connections/ Terminals	-
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	остем-суре termina:
• •	2v (0.5 0.75 mm²)
solid with core end processing	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
• for AWG cables	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	
proportion of dangerous failures	
 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	100 FIT
31920	250,000
B10 value with high demand rate according to SN 31920	250 000
IEC 62061	20.0
T1 value for proof test interval or service life according to IEC 61508	20 a
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during operation during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
60721	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 manufacturing Global Warming Potential [CO2 eq] during operation	0.235 kg
global warming Potential [CO2 eq] after end of life	-0.267 kg
	-0.201 Ng
Installation/ mounting/ dimensions	front plate mounting
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	71.3 mm
installation width	30.5 mm
installation depth	53.7 mm

Approvals Certificates

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

Environment



Confirmation

Environmental Confirmations

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=3SU1150-7AD88-1NA0

Cax online generator

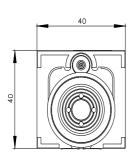
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1150-7AD88-1NA0}\\$

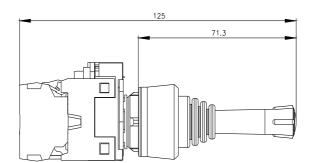
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

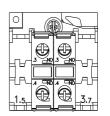
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7AD88-1NA0

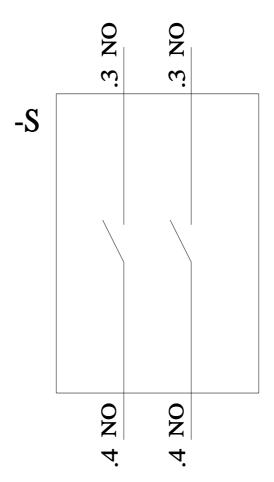
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-7AD88-1NA0&lang=en









last modified: 11/8/2023 🖸

