## 3SU1150-7BD88-1NA0

**Data sheet** 



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

product designation     design of the product     design of the product     design of the product     product type designation     substitution     substitution     substitution     design of the product type designation     substitution     design of the designation     design of the designation     design of the designation     design of the supplied contact module at position 4     design of the supplied contact module at position 4     design of the supplied holder     design of the supplied designation     design of the enclosure front     design of the actuating element     design of the actuating element     direction of actuation     derection of actuation     derection of actuation     design of the actuating element     direction of the actuating element     direction of the actuating element     design of the actuating element     plastic     shape of the actuating element     subset of the actuating element     push-to-unlatch mechanism     number of contact modules     2      Maximum deflection angle [*]     30°      #Front tring     design of the front ring     material of the holder     design of the front ring     design of the front ring     design of the growth of the product one positions     action of the front ring     design of the growth of the product of the product one positions     action of the front ring     design of the product one positions     action of the product of the holder     design of the product one positions     action of the holder     design of the product of the product one positions     action of the product of the product of the h	product brand name	SIRIUS ACT
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of supplied contact module at position 4 of the supplied holder of the supplied actuator  Sautisso-0BA10-0AA0  Sautisso-0BA20-0AA0  Sa		3SU1400-14410-1B40
of the supplied holder     of the supplied actuator     SSU1050-7BD88-0AA0  Enclosure  shape of the enclosure front  design of the actuating element     principle of operation of the actuating element     principle of operation of the actuating element     product extension optional light source     color of the actuating element     product extension optional light source     No     color of the actuating element     plastic     shape of the actuating element     publack     material of the actuating element     publack     shape of the actuating element     publack     shape of the actuating element     outer diameter of the actuating element     subject of the actuating element     publack     shape of the actuating element     subject of the actuating element     subje		
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product extension optional light source  color of the actuating element  material of the actuating element  shape of the actuating element  outer diameter  outer diameter  outer diameter  outer diameter  push-to-unlatch mechanism  number of switching positions  2  Maximum deflection angle [*]  Front ring  product component front ring  high  material of the front ring  whetal, high gloss  color of the front ring  whetal, high gloss  color of the front ring  Holder  material of the holder  Plastic  General technical data  product function positive opening  No  insulation voltage rated value  500 V  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  6 kV  protection class IP		
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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	type of unlocking device	·
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color of the front ring  Holder  material of the holder  Plastic  General technical data  product function positive opening  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage surge voltage resistance rated value  protection class IP  silver  Plastic  No  Soo V  AC/DC  Surge voltage resistance rated value  6 kV	design of the front ring	high
Holder material of the holder  General technical data  product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value Foot voltage resistance rated value	material of the front ring	Metal, high gloss
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product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP IP65, IP67	Holder	
product function positive opening  insulation voltage rated value  500 V  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  6 kV  protection class IP  IP65, IP67	material of the holder	Plastic
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degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  AC/DC  6 kV  PROTECTION CLASS IP	product function positive opening	No
type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 6 kV  protection class IP IP65, IP67	insulation voltage rated value	500 V
surge voltage resistance rated value 6 kV protection class IP IP65, IP67	degree of pollution	3
protection class IP IP65, IP67	type of voltage of the operating voltage	AC/DC
·	surge voltage resistance rated value	6 kV
of the terminal	protection class IP	IP65, IP67
- 0. (10 (0.11))	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 (5 V, 1 mA)
Auxiliary circuit	(V V, THIC)
-	Cilver alloy
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	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	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	
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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
	22.3 mm
mounting diameter positive tolerance of installation diameter	0.4 mm
·	75.6 mm
mounting height 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



Type Test Certificates/Test Report

Special Test Certificate







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=3SU1150-7BD88-1NA0

Cax online generator

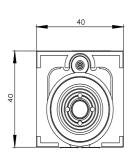
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7BD88-1NA0

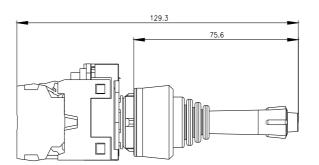
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7BD88-1NA0

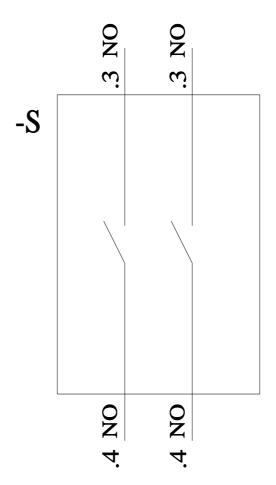
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-7BD88-1NA0&lang=en

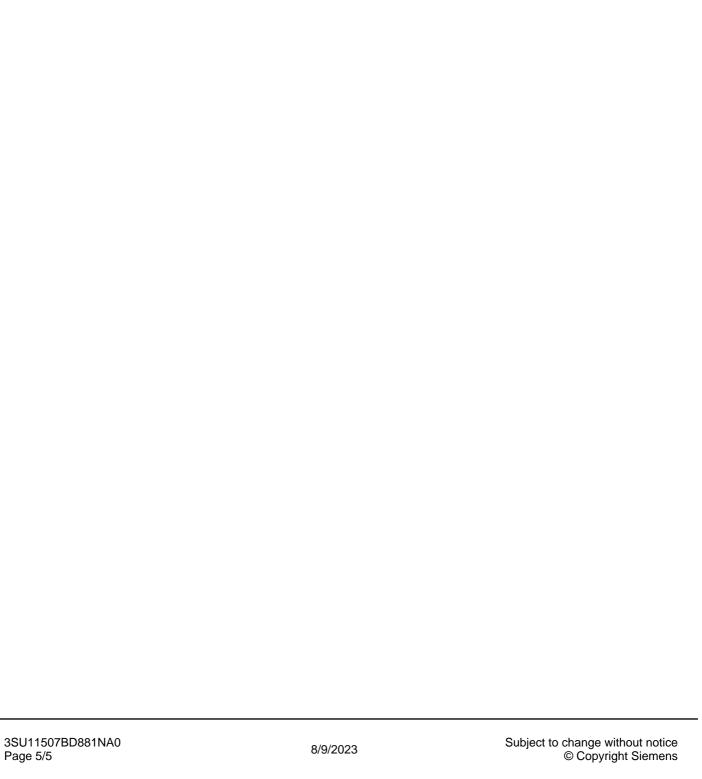








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3SU11507BD881NA0