## 3SU1150-7BB88-1NA0

**Data sheet** 



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

product designation  Cordinate switches  design of the product  product type designation  ground type designation  product tine  Metal, shiny, 22 mm  manufacturer's article number  of supplied contact module at position 2  of supplied contact module at position 4  of the supplied holder  of the supplied actuator  shape of the enclosure front  direction of actuation  product extension optional light source  color of the actuating element  material of the actuating element  plastic  shape of the actuating element  puber of contact modules  2  Stype of unlocking device  number of contact modules  2  Maximum deflection angle [*]  product component front ring  design of the front ring  product component front ring  design of the front ring  material of the front ring  material of the tholder  Plastic  Ceneral technical data  Product component front ring  design of the front ring  material of the holder  Plastic  Ceneral technical data  product function positive opening  No  insulation voltage rated value  600 V  degree of pollution	product brand name	SIRIUS ACT
design of the product product type designation product line Metal, shiny, 22 mm Metal, shiny, 22 mm Metal, shiny, 22 mm  manufacturer's article number of supplied contact module at position 2 of supplied contact module at position 4 asu1400-1AA10-1BA0 of the supplied holder of the supplied actuator asu1550-0BA10-0AA0 of the supplied actuator asu1550-0BA10-0AA0 of the supplied actuator  Enclosure shape of the enclosure front round Actuator  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 black material of the actuating element black shape of the actuating element cuter diameter of the actuating element public diameter of the actuating element cuter diameter of the actuating element actuating element cuter diameter of the actuating element principle of operation modules 2 bype of unlocking device push-to-unlatch mechanism number of contact modules 2 maximum deflection angle [*]  product component front ring design of the front ring design of the front ring material of the front ring Metal, high gloss color of the front positive opening No insulation voltage rated value	•	
product type designation product line Metal, shiny, 22 mm manufacturer's article number  • of supplied contact module at position 2 • of supplied contact module at position 4 • of the supplied holder • of the supplied contact module at position 4 • of the supplied holder • of the supplied actuator  Salutago-1AA10-IBAQ • of the supplied actuator  asultago-0BA10-0AAQ • of the supplied actuator  Salutago-0BA10-0AAQ  * of the supplied actuator  shape of the enclosure front  direction of actuation principle of operation of the actuating element direction of actuation  color of the actuating element black material of the actuating element material of the actuating element plastic outer diameter of the actuating element shape of the actuating element  shape of the actuating element  shape of the actuating element  unumber of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2  Maximum deflection angle [*]  Front ring  product component front ring design of the front ring high material of the front ring silver  Holder  material of the holder  Plastic  General technical data product function positive opening No Insulation voltage rated value		
product line manufacturer's article number  • of supplied contact module at position 2 • of supplied contact module at position 4 • of the supplied contact module at position 4 • of the supplied contact module at position 4 • of the supplied actuator  Ball 1550.0BA10.0AA0 • of the supplied actuator  Enclosure  shape of the enclosure front  Actustor  design of the actuating element  grinciple of operation of the actuating element  direction of actuation  product extension optional light source  color of the actuating element  shape of the actuating element  product extension optional light source  color of the actuating element  shape of the actuating element  plastic  shape of the actuating element  plastic  shape of the actuating element  shape of the actuating element  plastic  shape of the actuating element  public diameter of the actuating element  subschooling device  push-to-unlatch mechanism  number of switching positions  2  Maximum deflection angle [*]  product component front ring  design of the front ring  product component front ring  west adding the front ring  high  material of the front ring  silver  Holder  material of the holder  Plastic  Ceneral technical data  product function positive opening  No  Insulation voltage rated value		
manufacturer's article number  • of supplied contact module at position 2  • of supplied contact module at position 4  • of the supplied holder • of the supplied holder • of the supplied actuator  • of the supplied actuator  **Su1150-0Ba10-0AA0  • of the supplied actuator  **Su1150-0Ba10-0AA0  • of the supplied actuator  **Tound  **Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element vertical product extension optional light source  **Ocolor of the actuating element black  material of the actuating element plastic  shape of the actuating element plastic  shape of the actuating element shape of the actuating element actuating element plastic  shape of the actuating element plastic  shape of the actuating element plastic  shape of the actuating element actuation ele		
of supplied contact module at position 2     of supplied contact module at position 4     of the supplied holder     of the supplied holder     of the supplied holder     of the supplied actuator     of the supplied actuator     supplied actuator     shape of the enclosure front     round  Actuator  design of the actuating element     principle of operation of the actuating element     principle of operation of the actuating element     principle of operation of the actuating element     product extension optional light source     No     color of the actuating element     plastic     shape of the actuating element     plastic     shape of the actuating element     plastic     shape of the actuating element     unumber of contact modules     2     type of unlocking device     number of switching positions     2     Maximum deflection angle [*]     Tront ring     product component front ring     design of the front ring     Metal, high gloss     color of the front ring     silver  Holder  material of the holder  Plastic  General tochnical data  product function positive opening     No insulation voltage rated value  500 V	·	motal, omily, 22 mil
of supplied contact module at position 4     of the supplied holder     of the supplied actuator      sul 1550-0BA10-0AA0      Actuator      design of the enclosure front round      Actuator      design of the actuating element with mechanical interlocking     principle of operation of the actuating element latching     direction of actuation     product extension optional light source No     color of the actuating element plastic     shape of the actuating element plastic     shape of the actuating element sul 1500-0BA1000-0BA100-0BA100-0BA100-0BA100-0BA100-0BA100-0		3SU1400-1AA10-1RA0
of the supplied holder     of the supplied actuator     3SU1550-0BA10-0AA0     3SU1050-7BB38-0AA0  Enclosure shape of the enclosure front round Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No color 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 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring high material of the front ring Metal, high gloss color of the front ring Holder material of the holder General technical data product function positive opening No insulation voltage rated value  500 V		
• of the supplied actuator  Shape of the enclosure front  Actuator  design of the actuating element  principle of operation of the actuating element  direction of actuation  product extension optional light source  color of the actuating element  shape of the actuating element  plastic  shape of the actuating element  plastic  shape of the actuating element  plastic  shape of the actuating element  public  shape of the actuating element  place of the actuating element  place of the actuating element  place of the actuati	·	
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product extension optional light source  color of the actuating element  black  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  number of contact modules  type of unlocking device  number of switching positions  and and effection angle [°]  Front ring  product component front ring  design of the front ring  material of the front ring  material of the holder  material of the holder  material of the holder  plastic  General technical data  product function positive opening  insulation voltage rated value  No		
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shape of the actuating element  outer diameter of the actuating element  number of contact modules  2  type of unlocking device  number of switching positions  Aximum deflection angle [°]  Front ring  product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  material of the holder  Metal of the holder  Plastic  General technical data  product function positive opening  insulation voltage rated value  Extended handle  30.5 mm  30.5 mm  Avea  Push-to-unlatch mechanism  Pyes  40  Avea  Avea  Avea  Avea  Avea  Avea  Basic  Extended handle   30.5 mm  Avea  Avea  Avea  Avea  Basic  Avea  A	·	
outer diameter of the actuating element number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring Holder material of the holder General technical data product function positive opening insulation voltage rated value  30.5 mm 30.5 mm 40.5 mush-to-unlatch mechanism  Push-to-unlatch mechanism  A Wes  A Wetal, high gloss  Silver  A Wes  A Wetal, high gloss  Silver  A Wes  A Wes		
number of contact modules  type of unlocking device  push-to-unlatch mechanism  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		
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product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  Holder  material of the holder  Plastic  General technical data  product function positive opening  insulation voltage rated value  Yes  Neg  High  Neg  Nog  Nog  Nog  Nog  Nog  Nog  Nog		
design of the front ring 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 insulation voltage rated value  high Metal, high gloss silver  No		Yes
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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		
Holder material of the holder Plastic  General technical data product function positive opening insulation voltage rated value  Plastic		
General technical data product function positive opening Insulation voltage rated value  No  500 V		
product function positive opening No insulation voltage rated value 500 V	material of the holder	Plastic
insulation voltage rated value 500 V	General technical data	
	product function positive opening	No
degree of pollution 3	insulation voltage rated value	500 V
	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		6 kV
protection class IP IP65, IP67	protection class IP	IP65, IP67
• of the terminal IP20	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	100 000
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	(O V, 1 III/I)
-	Cilver ellev
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	100 000
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
mounting diameter	22.3 mm
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



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=3SU1150-7BB88-1NA0

Cax online generator

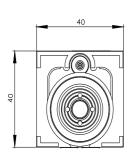
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7BB88-1NA0

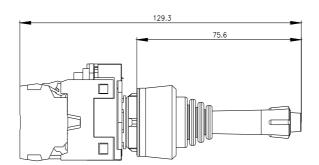
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

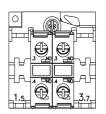
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7BB88-1NA0

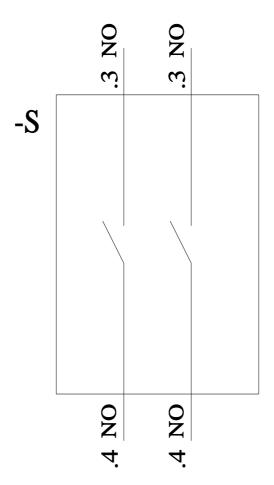
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-7BB88-1NA0&lang=en









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3SU11507BB881NA0