# SIEMENS

### Data sheet

## 3SU1150-7AD88-1NA0



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         SIRUS ACT           product designation         Coordinate switches           design of the product         Complete unit           product type designation         35U1           product line         Metal, shiny, 22 run           manufacturer's article number         -           • of supplied contact module at position 2         SSU1400-1AA10-1BA0           • of supplied contact module at position 4         SSU1500-0BA10-1BA0           • of the supplied holder         SSU1500-0BA10-1BA0           • of the supplied contact         SSU1500-0BA10-1BA0           • of the supplied holder         SSU1500-0BA10-1BA0           • of the supplied contact         SSU1500-0BA10-1BA0           • of the supplied holder         SSU1500-0BA10-1BA0           • of the actuating element         round           principle of operation of the actuating element         momentary contact type           direction of actuation         vertical           product chemistion optional light source         No           color of the actuating element         plaskc           number of con	•	
design of the product         Complete unit           product type designation         3SU1           product time         Metal, shiny, 22 mm           manufacturer's article number         SU1400-1AA10-1BA0           • of supplied contact module at position 2         SU1400-1AA10-1BA0           • of the supplied contact module at position 4         SU1400-1AA10-1BA0           • of the supplied contact module at position 4         SU11550-0BA10-0AA0           • of the supplied contact module at position 4         SU11550-0BA10-0AA0           • of the supplied contact module at position 7         SU11500-7AD88-0AA0           Facilisure	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Metal, shiny, 22 mm           manufacturer's article number         SU1400-1AA10-1BA0           • of supplied contact module at position 2         SU1400-1AA10-1BA0           • of the supplied holder         SU1500-7AA10-1BA0           • of the supplied holder         SU1500-7AA10-1BA0           • of the supplied holder         SU1500-7A008-0AA0           • of the supplied holder         SU1500-7A08-0AA0           Enclosuro         stutoso-7A08-0AA0           Enclosuro         round           design of the actuating element         momentary contact type           direction of actuation         vertical           principle of operation of the actuating element         black           product extension optional light source         No           color of the actuating element         black           number of contact modules         2           number of contact modules         2           number of contact modules         2           material of the front ring         Silving           product component front ring         Yes           design of the front ring         Silving           product component front ring         Silver           Holder         Plas	product designation	Coordinate switches
product line         Metal, shiny, 22 mm           manufacturer's article number         35U1400-1AA10-1BA0           • of supplied contact module at position 4         35U1400-1AA10-1BA0           • of the supplied holder         35U1550-0BA10-0AA0           • of the supplied actuator         35U1550-0BA10-0AA0           • of the supplied actuator         35U100-7AD88-0AA0           Enclosure	design of the product	Complete unit
manufacturer's article number       SU1400-1AA10-1BAQ         • of supplied contact module at position 2       SU1400-1AA10-1BAQ         • of the supplied contact module at position 4       SU1400-1AA10-1BAQ         • of the supplied actuator       SU150-0BA10-0AAQ         • of the supplied actuator       SU1050-7ADB8_0AAQ         Enclosure       Sull 1050-7ADB8_0AAQ         shape of the enclosure front       round         Actuator       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       SU.50.00.01         outer diameter of the actuating plement       SU.50.00.01         outer diameter of the actuating positions       2         number of switching positions       2         product component front ring       Yes         design of the front ring       No         color of the actuating element       sliver         product component front ring       No         material of the front ring       Sliver         design of	product type designation	3SU1
of supplied contact module at position 2     of supplied contact module at position 4     of supplied contact module at position 4     of the supplied holder     of the supplied holder     of the supplied cutator     Sulf350-0BA10-0AA0     Sulf350	product line	Metal, shiny, 22 mm
of supplied contact module at position 4     of the supplied holder     of the supplied actuator     actuator     actuator     actuator     actuator     actuating element     without mechanical interlock     principle of operation of the actuating element     momentary contact type     design of the actuating element     product extension optional light source     No     color of the actuating element     plastic     shape of the front ring     for tring     Yes     design of the front ring     for tring     f	manufacturer's article number	
of the supplied holder         SSU1550-0BA10-0AA0         SSU1050-7AD88-0AA0         SSU10-7AD88-0AA0         SSU10-7AD88-0AA0         SSU10-7AD88-0AA0         SSU10-7AD88-0AA0         SSU10-7AD88-0AA0         SSU10-7A0A00         S	<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
of the supplied actuator     SSU1050-7AD88-0AA0  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 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 starting element starting element plastic shape of the actuating element starting element element starting element starting element element element starting element starting element element starting element eleme	<ul> <li>of supplied contact module at position 4</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
Enclosure         round           Actuator         round           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         black           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         Yes           design of the front ring         Nestal, high gloss           color of the front ring         silver           Holder         Plastic           General technical data	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0BA10-0AA0</u>
shape of the enclosure front         round           Actuator	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1050-7AD88-0AA0</u>
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       30.5 mm         outer diameter of the actuating element       30.5 mm         number of contact modules       2         number of switching positions       2         product component front ring       Yes         design of the front ring       high         material of the front ring       Metal, high gloss         color of the front ring       sliver         Holder       Plastic         General technical data       product the holder         General technical data       product the operating voltage arted value         folder       Sol V         design of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         product technical data       production         product technical on the operating voltage       AC/DC         surge voltage resistance	Enclosure	
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       black         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       Yes         design of the front ring       high         material of the holder       Plastic         color of the front ring       high         material of the holder       Plastic         design of the front ring       high         material of the holder       Plastic         General tochnical data       product function positive opening         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	shape of the enclosure front	round
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           material of the front ring         Yes           design of the front ring         Yes           design of the front ring         Netal, high gloss           color of the holder         Plastic           General technical deta         Plastic           General technical deta         Plastic           greater of pollution         3           lype of voltage rated value         500 V           degree of pollution         3           lype of voltage of the operating voltage         AC/DC           surge voltage resistance rated value         6 kV           production class IP         IP85, IP67           of the terminal         IP20	Actuator	
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° <b>Front ring</b> Yes         design of the front ring       Yes         design of the front ring       Metal, high gloss         color of the holder       Plastic <b>General tachnical data</b> product function positive opening         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         product on cass IP       IP65, IP67         of the terminal       IP20	design of the actuating element	without mechanical interlock
product extension optional light source         No           color of the actuating element         black           material of the actuating element         plastic           shape of the actuating element         30.5 mm           number of contact modules         2           number of switching positions         2           Maximum deflection angle [*]         30°           Front ring         Yes           design of the front ring         Netal, high gloss           color of the holder         Plastic           General technical data         Plastic           general technical data         Plastic           general technical data         S00 V           general technical data         S00 V           product function positive opening         No           insulation voltage rated value         500 V           degree of pollution         3           surge voltage resistance rated value         6 kV           protection class IP         IP65, IP67           of the terminal         IP20	principle of operation of the actuating element	momentary contact type
product any number of the actuating element     black       material of the actuating element     plastic       shape of the actuating element     30.5 mm       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     Yes       design of the front ring     high       material of the holder     Plastic       General technical data     Element       product function positive opening     No       insulation voltage rated value     500 V       degre of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage rated value     6 kV       protection class IP     IP65, IP67       e of the eterminal     IP20	direction of actuation	vertical
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         Yes           design of the front ring         high           material of the front ring         Metal, high gloss           color of the front ring         silver           Holder         Plastic           General technical data         Fool v           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           e of the terminal         IP20	product extension optional light source	No
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       2         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       Plastic         General technical data       500 V         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         e of the terminal       IP20	color of the actuating element	black
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       30°         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	material of the actuating element	plastic
number of contact modules       2         number of switching positions       2         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         Holder       Plastic         General technical data       500 V         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	shape of the actuating element	Extended handle
number of switching positions       2         Maximum deflection angle [°]       30°         Front ring       30°         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       Plastic         General technical data       500 V         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	outer diameter of the actuating element	30.5 mm
Maximum deflection angle [*]       30°         Front ring       Yes         product component front ring       high         material of the front ring       Metal, high gloss         color of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         General technical data       Forduct function positive opening         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	number of contact modules	2
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         Holder       Plastic         General technical data       Product function positive opening         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	number of switching positions	2
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       Plastic         General technical data       product function positive opening         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	Maximum deflection angle [°]	30°
design of the front ring       high         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         General technical data       product function positive opening         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	Front ring	
material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         material of the holder       Plastic         General technical data       product function positive opening         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         e of the terminal       IP20	product component front ring	Yes
color of the front ring       silver         Holder       Plastic         General technical data       Plastic         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	design of the front ring	high
Holder       Plastic         General technical data       Plastic         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	material of the front ring	Metal, high gloss
material of the holder       Plastic         General technical data       Violation positive opening       No         product function positive opening       No       S00 V         insulation voltage rated value       500 V       S00 V         degree of pollution       3       AC/DC         surge voltage resistance rated value       6 kV       Protection class IP         of the terminal       IP65, IP67       IP20	color of the front ring	silver
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	Holder	
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	material of the holder	Plastic
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	General technical data	
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	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       • of the terminal     IP20	insulation voltage rated value	500 V
surge voltage resistance rated value     6 kV       protection class IP     IP65, IP67       • of the terminal     IP20	degree of pollution	3
protection class IP     IP65, IP67       • of the terminal     IP20	type of voltage of the operating voltage	AC/DC
• of the terminal IP20	surge voltage resistance rated value	6 kV
	protection class IP	IP65, IP67
shock resistance	• of the terminal	IP20
Show resistance	shock resistance	

a according to IEC 60069 2 27	cipucoidal balf wave 15g / 11 mg
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance • according to IEC 60068-2-6	10 500 Hz: 5g
	2 400 1/h
operating frequency maximum	2 400 1/11
mechanical service life (operating cycles)	500.000
as operating period per direction of actuation typical	500 000
electrical endurance (operating cycles) typical	10 000 000 10 000 000
electrical endurance (operating cycles) with contactors 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
-	(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	
<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)
<ul> <li>for AWG cables</li> </ul>	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
<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
Certificates/ approvals	

General Product App	roval				Declaration of Con- formity
	<u>Confirmation</u>			EAC	UK CA
Declaration of Con- formity	Test Certificates		Marine / Shipping		
EG-Konf.	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	Llovd's Register uis	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	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=3SU1150-7AD88-1NA0

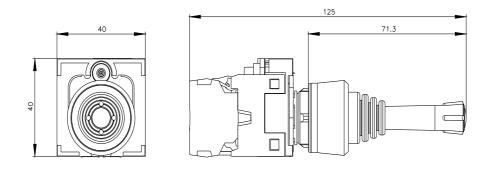
Cax online generator

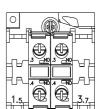
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7AD88-1NA0

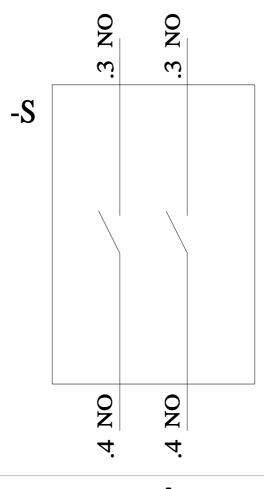
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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







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7/25/2023

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