SIEMENS

Data sheet

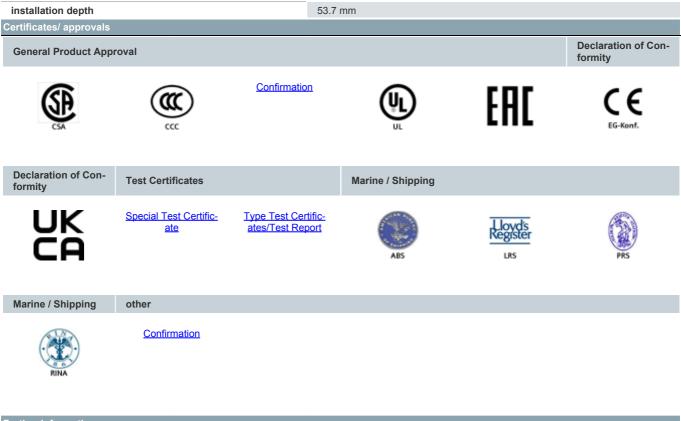
3SU1130-7AF10-1QA0



Coordinate switch, 22 mm, round, plastic with metal front ring, 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 Plastic with metal front ring, matt, 22 mm manufacturer's article number - • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 SU1400-1AA10-1BA0 • of the supplied contact module at position 4 SU1400-1AA10-1	•	
design of the product Complete unit product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the actuating element round product extension optional light source No color of the actuating element plastic shape	product brand name	SIRIUS ACT
product line 3SU1 product line Plastic with metal front ring, matt, 22 mm manufacturer's article number SU1400-1AA10-1BAQ • of supplied contact module at position 1 3SU1400-1AA10-1BAQ • of supplied contact module at position 3 3SU1400-1AA10-1BAQ • of supplied contact module at position 4 3SU1400-1AA10-1BAQ • of the supplied holder 3SU1500-0BA10-0AAQ • of the supplied holder 3SU1500-0BA10-0AAQ • of the supplied contact module at position 4 3SU1400-1AA10-1BAQ • of the supplied holder 3SU1500-0BA10-0AAQ • of the supplied contact module at position 4 3SU1400-1AA10-1BAQ • of the supplied contact module at position 4 3SU1400-1AA10-1BAQ • of the supplied holder 3SU150-0BA10-0AAQ • of the supplied contact module at position 7 3SU1400-1AA10-1BAQ • of the supplied contact module at position 7 SSU1400-1AA10-1BAQ • of the supplied contact module at position 7 SSU1400-1AA10-1BAQ • of the supplied colarer round Actuator Torund Actuator momentary contact type deleriot of the actuating element black<	product designation	Coordinate switches
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1500-0BA10-0AA0 • of the supplied holder 3SU1500-7AF10-0AA0 • of the supplied actuator 3SU1500-7AF10-0AA0 Enclosure Torund Actuator asturison-7AF10-0AA0 fenciosure Torund Actuator asturison-7AF10-0AA0 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 plastic shape of the actuating element so.5 mm number of soutact modules 4 number of switching positions 4 number of switching position	design of the product	Complete unit
manufacturer's article number 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied holder 3SU1500-0BA10-0AA0 • of the supplied actuator 3SU1300-7AE10-0AA0 Enclosure shape of the enclosure front shape of the actuating element without mechanical interlock principle of operation of the actuating element momentary contact type direction on horizontal / vertical product extension optional light source No color of the actuating element plastic shape of the actuating element so 5 mm number of solution form 30.5 mm number of solution angle [*] 30.5 mm number of the actuating element 30.5 mm number of switching positions 4 4 <t< th=""><th>product type designation</th><th>3SU1</th></t<>	product type designation	3SU1
• of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of the supplied holder 3SU1400-1AA10-1BA0 • of the supplied actuator 3SU1400-1AA10-1BA0 • of the actuating element round Actuator without mechanical interlock product extension optional light source No color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 30.5 mm number of	product line	Plastic with metal front ring, matt, 22 mm
• of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 3 3SU1400-1AA10-1BA0 • of supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied holder 3SU150-0BA10-0AA0 • of the supplied actuator 3SU1100-1AA10-1BA0 • of the supplied actuator 3SU100-7AF10-0AA0 Enclosure round Actuator design of the actuating element design 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 30.5 mm number of contact modules 4 Maximum deflection angle [*] 30° Front ring Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt number of soutching positions 4 Maximum deflection angle [*] High material of the holder Plastic <th>manufacturer's article number</th> <th></th>	manufacturer's article number	
of supplied contact module at position 3 3SU1400-1AA10-1BA0 of supplied contact module at position 4 3SU1550-0BA10-0AA0 of the supplied holder 3SU1030-7AF10-0AA0 context supplied actuator ashape 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 actuating element product extension optional light source olde contact modules aterial of the actuating element plastic shape of the actuating element so 30 ° Front ring product component front ring ting yes design of the front ring material of the holder Plastic	 of supplied contact module at position 1 	<u>3SU1400-1AA10-1BA0</u>
of supplied contact module at position 4 of the supplied holder of the supplied actuator of the supplied actuator actuator shape of the enclosure front round Actuator design of the actuating element momentary contact type direction of actuating element principle of operation of the actuating element momentary contact type direction of actuating element product extension optional light source outer diameter of the actuating element plastic shape of the actuating element plastic forth actuating element plastic forth actuating element plastic mumber of switching positions 4 Maximum deflection angle [*] yes design of the front ring material of the holder	 of supplied contact module at position 2 	<u>3SU1400-1AA10-1BA0</u>
• of the supplied holder 3SU1550-0BA10-0AAQ • of the supplied actuator 3SU1030-7AF10-0AAQ Enclosure shape of the enclosure front shape of the enclosure front round Actuator design of the actuating element grinciple 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 glastic shape of the actuating element glastic number of contact modules 4 number of switching positions 4 Maximum deflection angle [°] 30° Front ring Yes design of the front ring Yes design of the front ring Metal, matt color of the front ring sand gray	 of supplied contact module at position 3 	<u>3SU1400-1AA10-1BA0</u>
of the supplied actuator 3SU1030-7AF10-0AA0 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 horizontal / vertical product extension optional light source No color of the actuating element plastic shape of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic product component front ring product component front ring high material of the holder	 of supplied contact module at position 4 	<u>3SU1400-1AA10-1BA0</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 slastic 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 Yes design of the front ring high material of the front ring Sand gray Holder Plastic	 of the supplied holder 	<u>3SU1550-0BA10-0AA0</u>
shape of the enclosure front round Actuator without mechanical interlock design 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 glastic 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 Yes design of the front ring Metal, matt color of the front ring Sand gray	 of the supplied actuator 	<u>3SU1030-7AF10-0AA0</u>
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 glastic 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 yes design of the front ring Metal, matt color of the front ring sand gray Holder Plastic	Enclosure	
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 glastic 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 Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Plastic	shape of the enclosure front	round
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 Yes design of the front ring Metal, matt color of the front ring Sand gray Holder Plastic	Actuator	
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 Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Plastic	design of the actuating element	without mechanical interlock
product extension optional light sourceNocolor of the actuating elementblackmaterial of the actuating elementplasticshape of the actuating elementExtended handleouter diameter of the actuating element30.5 mmnumber of contact modules4number of switching positions4Maximum deflection angle [°]30°Front ringYesproduct component front ringYesdesign of the front ringMetal, mattcolor of the front ringsand grayHolderPlastic	principle of operation of the actuating element	momentary contact type
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 Yes product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray Holder Plastic	direction of actuation	horizontal / vertical
material of the actuating elementplasticshape of the actuating elementExtended handleouter diameter of the actuating element30.5 mmnumber of contact modules4number of switching positions4Maximum deflection angle [°]30°Front ringproduct component front ringYesdesign of the front ringhighmaterial of the front ringMetal, mattcolor of the front ringsand grayHolderPlastic	product extension optional light source	No
shape of the actuating elementExtended handleouter diameter of the actuating element30.5 mmnumber of contact modules4number of switching positions4Maximum deflection angle [°]30°Front ringproduct component front ringYesdesign of the front ringhighmaterial of the front ringMetal, mattcolor of the front ringsand grayHoldermaterial of the holderPlastic	color of the actuating element	black
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 Yes product component front ring Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	material of the actuating element	plastic
number of contact modules 4 number of switching positions 4 Maximum deflection angle [°] 30° Front ring yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	shape of the actuating element	Extended handle
number of switching positions 4 Maximum deflection angle [°] 30° Front ring 9roduct component front ring product component front ring Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	outer diameter of the actuating element	30.5 mm
Maximum deflection angle [°] 30° Front ring product component front ring product component front ring Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	number of contact modules	4
Front ring Yes product component front ring high design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	number of switching positions	4
product component front ring Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	Maximum deflection angle [°]	30°
design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic	Front ring	
material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Plastic	product component front ring	Yes
color of the front ring sand gray Holder material of the holder	design of the front ring	high
Holder material of the holder Plastic	material of the front ring	Metal, matt
material of the holder Plastic	color of the front ring	sand gray
	Holder	
General technical data	material of the holder	Plastic
	General technical data	
product function positive opening No	product function positive opening	No
insulation voltage rated value 500 V	insulation voltage rated value	500 V
degree of pollution 3	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	surge voltage resistance rated value	6 kV
protection class IP IP65, IP67	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	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
	(5 V, 1 mÅ)
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	4
Connections/ Terminals	
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
 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	
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920	
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions	20 %
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature	20 % 100 FIT
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature o during operation	20 % 100 FIT -25 +70 °C
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage	20 % 100 FIT -25 +70 °C -40 +80 °C
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature o during operation	20 % 100 FIT -25 +70 °C
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC 60721	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature oduring operation oduring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting Front plate mounting 40 mm
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 40 mm
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature oduring operation oduring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 40 mm round
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature oduring operation oduring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 40 mm round 22.3 mm
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature ouring operation ouring storage environmental category during operation according to IEC 60721 Installation/mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting Front plate mounting 40 mm 40 mm round 22.3 mm 0.4 mm
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature oduring operation oduring storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter	20 % 100 FIT -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting 40 mm 40 mm round 22.3 mm



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

.com/cs/ww/en/view/109813875 htt s://support.indu

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=3SU1130-7AF10-1QA0

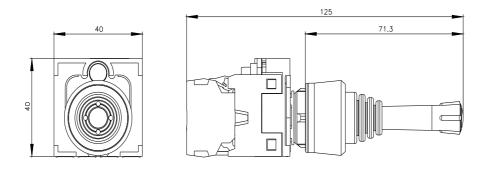
Cax online generator

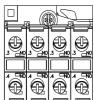
t.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AF10-1QA0 http://supp

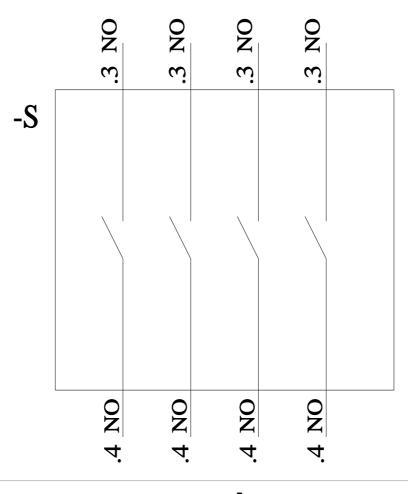
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AF10-1QA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AF10-1QA0&lang=en







last modified:

1/27/2022 🖸