3SU1801-0NV00-4SA2

Data sheet

product brand name



Enclosure for command devices, 22 mm, round, enclosure material plastic, enclosure top part yellow, 1 control point plastic, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, illuminated, 2x 1 NC, LED white 24 V, spring-type terminal, floor mounting, M12 connector (8-pole) bottom, insulated reserve conductors Pin assignment: PIN1=11, PIN2=12, PIN3=21, PIN4=22, Pin5=n.c., Pin6=n.c., Pin7=ground LED, PIN8=LED, one connection at 1 input F-DI, one connection at 1 output F-DQ

product brana namo			
product designation	Enclosures		
product type designation	3SU1		
equipment of commanding and signaling device	A = EMERGENCY STOP mushroom pushbutton, 40 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism		
manufacturer's article number			
 of supplied contact module 	A1 = 3SU1400-2AA10-3CA0 / A2 = 3SU1400-2AA10-3CA0		
 of supplied contact module at the command point A 1 	3SU1400-2AA10-3CA0		
 of supplied contact module at the command point A 2 	3SU1400-2AA10-3CA0		
 of supplied LED module 	3SU1401-2BB60-3AA0		
 of supplied LED module at the command point A 	3SU1401-2BB60-3AA0		
 of the supplied holder 	A = 3SU1500-0AA10-0AA0		
 of the supplied holder at the command point A 	3SU1500-0AA10-0AA0		
 of the supplied actuator 	A = 3SU1000-1HB20-0AA0		
 of the supplied actuator at the command point A 	3SU1000-1HB20-0AA0		
 of supplied empty enclosure 	3SU1801-0AA00-0AA2		
Enclosure			
design of the housing	Command point in center		
shape of the enclosure front	Square		
material of the enclosure	plastic		
number of command points	1		
product component			
EMERGENCY STOP device	Yes		
protective collar	No		
color of the enclosure top part	yellow		
delivery state			
• as a kit	No		
pre-wired on strip terminal	Yes		
fastening method of the enclosure	Vertical		
Actuator			
design of the actuating element	EMERGENCY STOP mushroom pushbutton		
suitability for use EMERGENCY OFF switch	Yes		
product feature lockout	No		
product extension optional light source	No		
color of the actuating element	red		
material of the actuating element	plastic		
shape of the actuating element	round		
number of contact modules	2		
type of unlocking device	A = rotate-to-unlatch mechanism		

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product component front ring	No
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
General technical data	
product function	
positive opening	Yes
EMERGENCY OFF function	Yes
EMERGENCY STOP function	Yes
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
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)	07/01/2006
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
cable entry type	M12 plug, 8-pole
Communication/ Bustonal	
Communication/ Protocol	
design of the interface for communication	without
	without
design of the interface for communication	without Silver alloy
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts	Silver alloy
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 2
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design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m
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design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -25 +70 °C -40 +80 °C
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -25 +70 °C -40 +80 °C
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -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)
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -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) Floor mounting
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -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) Floor mounting 89.4 mm
design of the interface for communication Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of electrical connection on enclosure tightening torque of the screws in the bracket tightening torque of fixing screws in the enclosure cover Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width	Silver alloy 2 0 Spring-type terminal M12 plug, 8-pole 1 1.2 N·m 1.5 1.7 N·m -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) Floor mounting 89.4 mm 85 mm
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Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





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=3SU1801-0NV00-4SA2

Cax online generator

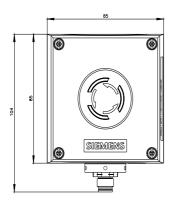
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1801-0NV00-4SA2

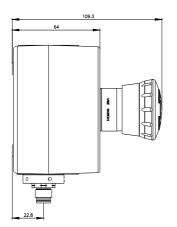
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

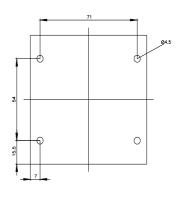
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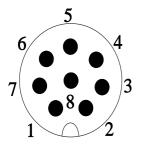
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1801-0NV00-4SA2&lang=en

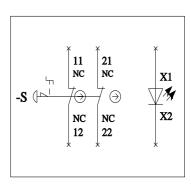








1	White	\rightarrow	11
2	Brown	\rightarrow	12
3	Green	\rightarrow	21
4	Yellow	\rightarrow	22
5	Grey	\rightarrow	n.c.
6	Pink	\rightarrow	n.c.
7	Blue	\rightarrow	Masse LED
8	Red	\rightarrow	LED



last modified:

1/26/2022

