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Data sheet 3SU1801-0NV00-4SA2



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 brand name	SIRIUS ACT
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
Front ring	

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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
SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8
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/ Protocol	
design of the interface for communication	without
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	0
Connections/ Terminals	
type of electrical connection of modules and accessories	Spring-type terminal
type of electrical connection on enclosure	M12 plug, 8-pole
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque of fixing screws in the enclosure cover	1.5 ... 1.7 N·m
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)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Installation/ mounting/ dimensions	
fastening method of modules and accessories	Floor mounting
height	89.4 mm
width	85 mm
depth	75 mm
shape of the installation opening	round
Accessories	

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number of labels	0
number of inscription plates	0
number of backing plates	0

Approvals Certificates

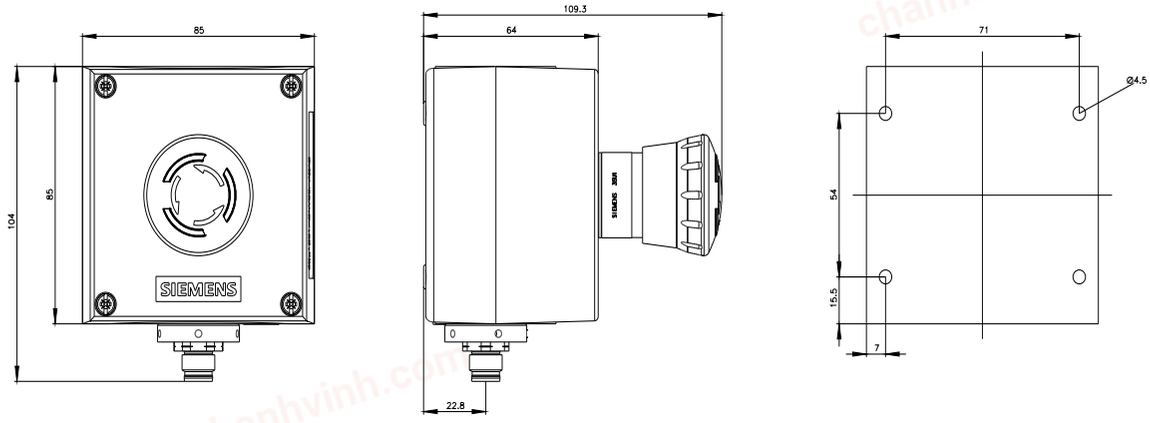
General Product Approval

Confirmation

General Product Approval	Test Certificates	other	Environment
EAC	Type Test Certificates/Test Report	Confirmation	Siemens EcoTech Environmental Confirmations

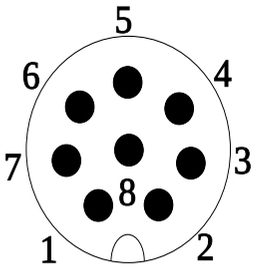
Further information

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,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NV00-4SA2
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

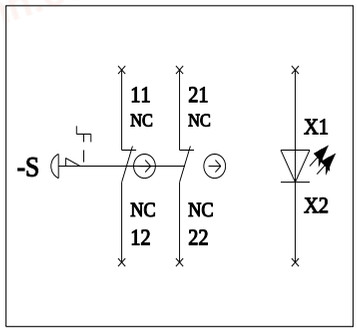


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1	White	→	11
2	Brown	→	12
3	Green	→	21
4	Yellow	→	22
5	Grey	→	n.c.
6	Pink	→	n.c.
7	Blue	→	Masse LED
8	Red	→	LED



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