SIEMENS

Data sheet   **3SU1801-0NB10-4HC2**

AS-Interface enclosure for command devices 22 mm, round, Enclosure material plastic, Enclosure top part yellow, with protective collar, 1 control point plastic, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, 1 NC, 1 NC, spring-type terminal, floor mounting, Insulation displacement system on top

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 communication module	AB = 3SU1400-2EA10-6AA0
● 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	3SU1801-0AA00-0AC2
Enclosure	
design of the housing	with protective collar
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	No
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	
product component front ring	No

design of the front ring	Standard
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
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, 12K, 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)	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
cable entry type	Adapter ASI shaped cable (insulation displacement method) M20 cable entry
Communication/ Protocol	
design of the interface for communication	AS-i
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	Adapter ASI shaped cable (insulation displacement method)
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)
Installation/ mounting/ dimensions	
fastening method of modules and accessories	Floor mounting
height	105.4 mm
width	85 mm
depth	112.5 mm
shape of the installation opening	round
Accessories	
number of labels	1
marking of the name plate for command devices	A = I
number of inscription plates	0
Certificates/ approvals	
General Product Approval		Declaration of Conformity

Declaration of Conformity	Test Certificates		other	Environment
UK CA	Type Test Certificates/Test Report	Special Test Certificate	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=3SU1801-0NB10-4HC2
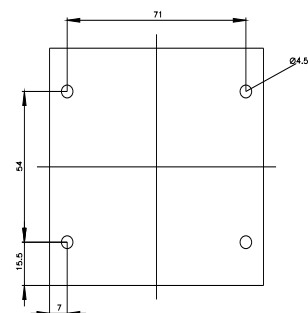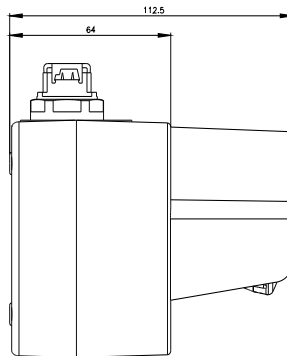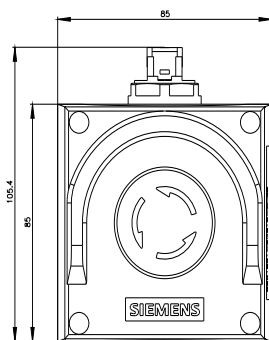
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1801-0NB10-4HC2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
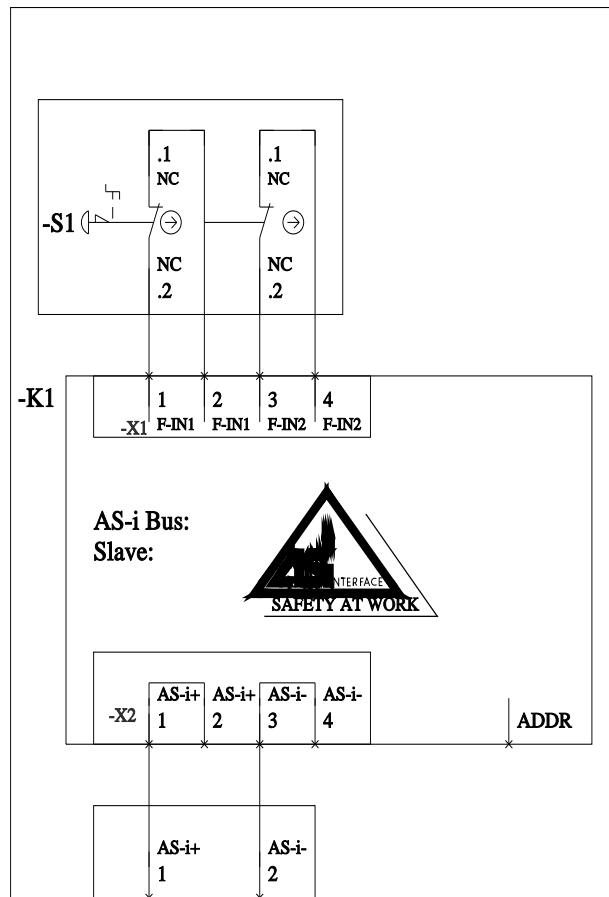https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NB10-4HC2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1801-0NB10-4HC2&lang=en

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-U1

-S1

| | .1 NC | | .1 NC |
| | NC .2 | | NC .2 |

-K1

| -X1 | 1 F-IN1 | 2 F-IN1 | 3 F-IN2 | 4 F-IN2 |

AS-i Bus:
Slave:

SAFETY AT WORK

| -X2 | AS-i+ 1 | AS-i+ 2 | AS-i- 3 | AS-i- 4 | | ADDR |

| | AS-i+ 1 | | AS-i- 2 |

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