SIEMENS

Data sheet 3SU1803-0AB10-4HB1



AS-Interface enclosure for command devices, 22 mm, round, Enclosure material plastic, enclosure top part gray, 3 control points plastic, Recess for labels, C=Indicator light clear, label without inscription, B=Pushbutton green, label: I, 1 NO, spring-type terminal, A=Pushbutton red, label: O, 1 NC, spring-type terminal, floor mounting, Insulation displacement system on top, Labels enclosed

Product brand name	SIRIUS ACT
Product designation	Enclosures
Product type designation	3SU1
Manufacturer's article number	
• of supplied contact module	A1 = 3SU1400-2AA10-3CA0 / B2 = 3SU1400-2AA10-3BA0
• of supplied contact module at the command point A 1	3SU1400-2AA10-3CA0
• of supplied contact module at the command point B 2	3SU1400-2AA10-3BA0
• of supplied LED module	C3 = 3SU1401-2BB60-3AA0
• of supplied LED module at the command point C	3SU1401-2BB60-3AA0
• of supplied communication module	AB = 3SU1400-2EK10-6AA0
• of the supplied holder	A = 3SU1500-0AA10-0AA0, B =3SU1500-0AA10-0AA0, C = 3SU1500-0AA10-0AA0
• of the supplied holder at the command point A	3SU1500-0AA10-0AA0
• of the supplied holder at the command point B	3SU1500-0AA10-0AA0
• of the supplied holder at the command point C	3SU1500-0AA10-0AA0
• of the supplied actuator	A = 3SU1000-0AB20-0AA0 / B = 3SU1000-0AB40-0AA0

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• of the supplied actuator at the command point A	3SU1000-0AB20-0AA0
• of the supplied actuator at the command point B	3SU1000-0AB40-0AA0
• of the supplied actuator at the command point C	3SU1001-6AA60-0AA0
• of supplied repeater	C = 3SU1001-6AA60-0AA0
• of supplied empty enclosure	3SU1803-0AA00-0AB1
• of supplied accessory	A = 3SU1900-0AF16-0QA0, B = 3SU1900-0AF16-0QB0, C = 3SU1900-0AF16-0AA0
• of the supplied accessories at the command point A	3SU1900-0AF16-0QA0
• of the supplied accessories at the command point B	3SU1900-0AF16-0QB0
• of the supplied accessories at the command point C	3SU1900-0AF16-0AA0

Enclosure

Design of the housing	with recess for label
Shape of the enclosure front	rectangular
Material of the enclosure	plastic
Number of command points	3
Product component	
• EMERGENCY STOP device	No
• protective collar	No
Color	
• of top part of the enclosure	grey
Delivery state	
• as a kit	No
• pre-wired on strip terminal	Yes
Mounting type of the enclosure	Vertical

Actuator

Design of the operating mechanism	Pushbutton / pushbutton / indicator light
Suitability for use EMERGENCY OFF switch	No
Product feature	
• lockout	No
Product extension optional Light source	Yes
Color	
• of the actuating element	A = red / B = green / C = clear
Material of the actuating element	plastic
Shape of the actuating element	round
Number of contact modules	2
Type of unlocking device	A = none / B = none / C = none

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Front ring	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	plastic
Color of the front ring	black

Holder	
Material of the holder	Plastic

Display	
Number of LED modules	1

General technical data	
Product function	
• positive opening	Yes
• EMERGENCY OFF function	No
• EMERGENCY STOP function	No
Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12K, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	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
Operating voltage	
• at AC	
— at 50 Hz rated value	24 ... 24 V
— at 60 Hz rated value	24 ... 24 V
• at DC	
— rated value	24 ... 24 V
Cable entry type	Adapter ASI shaped cable (insulation displacement method) M20 cable entry

Communication/ Protocol	
Type of electrical connection of the communication interface	Insulation piercing technology top/right

Auxiliary circuit	
Design of the contact of auxiliary contacts	Silver alloy
Number of NC contacts for auxiliary contacts	1

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Number of NO contacts for auxiliary contacts	1

Connections/ Terminals

Type of electrical connection	
• of modules and accessories	Spring-type terminal
Type of electrical connection on enclosure	Cable routing above and below, both 1 x M20
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque of mounting screws in the enclosure cover	1.5 ... 1.7 N·m

Lamp

Light intensity	900 ... 1 400 mcd

Interfaces

Design of the interface	
• for communication	AS-i

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted for all devices behind front panel)

Installation/ mounting/ dimensions

Mounting type	
• of modules and accessories	Floor mounting
Height	174.4 mm
Width	85 mm
Depth	75.8 mm
Shape of the installation opening	round

Accessories

Number of labels	3
Marking of the name plate for command devices	A = O / B = I / C = "ohne Aufschrift"
Color of the label	A = black / B = black / C = black
Number of inscription plates	0

Certificates/ approvals

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General Product Approval					Declaration of Conformity
CCC	CSA	UL	VDE	EAC	EG-Konf.

Declaration of Conformity	Test Certificates		other
Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate	Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
www.siemens.com/ic10

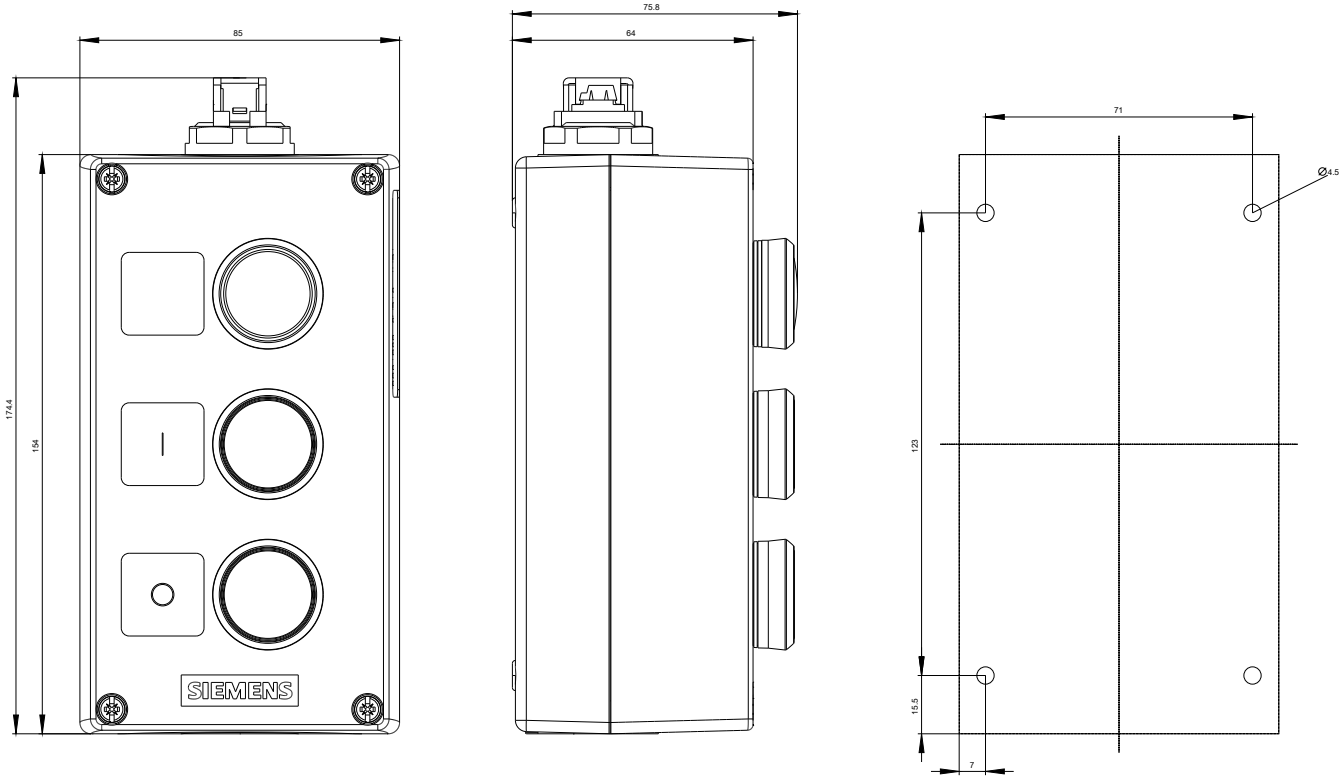
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1803-0AB10-4HB1

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1803-0AB10-4HB1

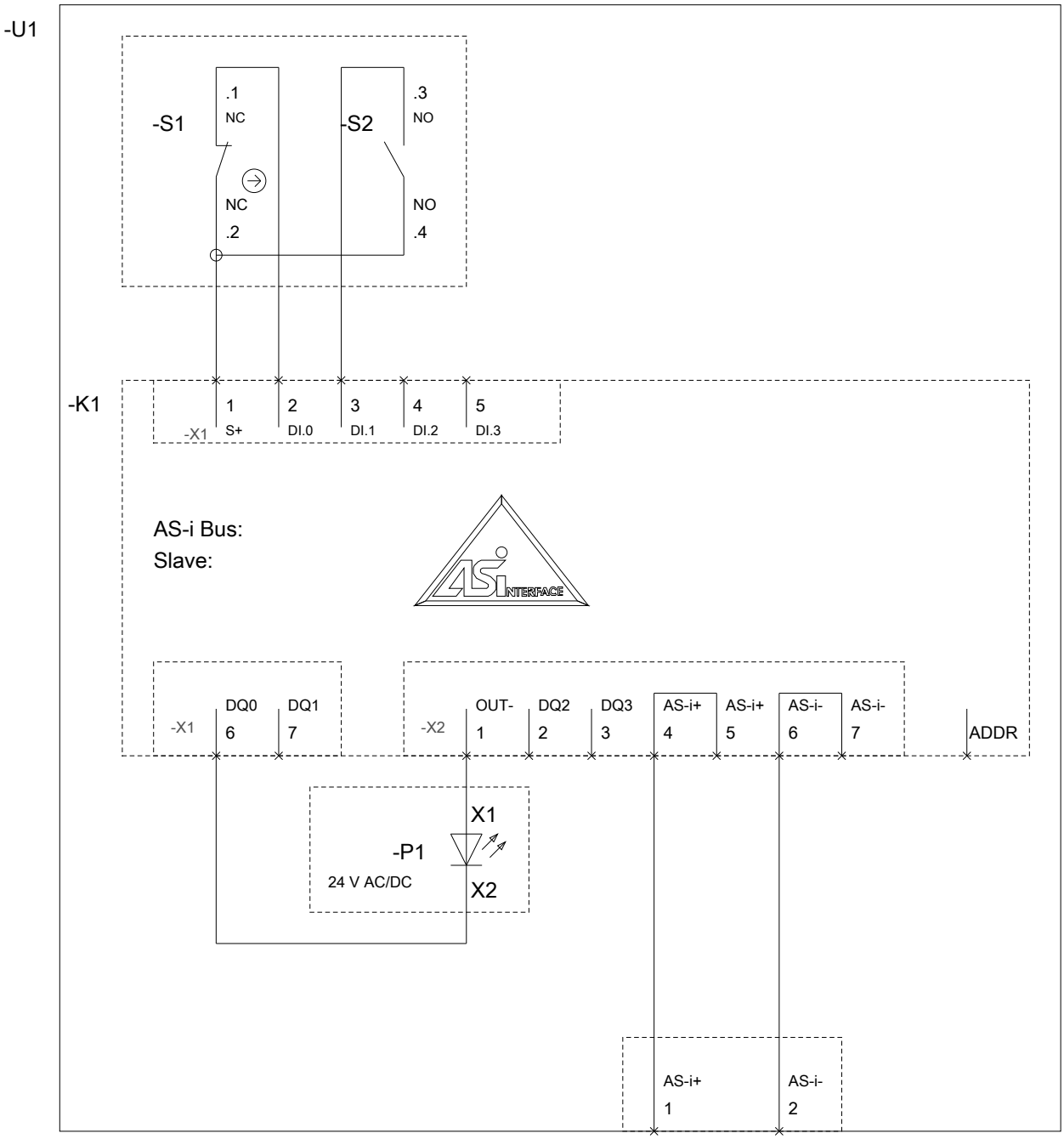
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1803-0AB10-4HB1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1803-0AB10-4HB1&lang=en

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