

Emergency Stop Control Station 3SU1801-0NB00-2AC2

22 mm Emergency-Stop Control Station — plastic enclosure, protective collar, 2 NC, IP69K

The Siemens 3SU1801-0NB00-2AC2 is a factory-assembled emergency-stop control station from the SIRIUS ACT 3SU1 range and the manufacturer's stated successor to the 3SB3 equivalent. A square yellow plastic enclosure carries one command point with a red 40 mm mushroom pushbutton, positive latching to ISO 13850 and a rotate-to-unlatch release. Two silver-alloy NC contact modules open positively when the head is pressed. Sealing to IP66, IP67 and IP69K plus a NEMA 4X rating and railway-grade shock and vibration figures make it suitable for washdown, outdoor and heavy industrial installations.

GENERAL / IDENTIFICATION

Product brand name	SIRIUS ACT
Product designation	Enclosure for command devices
Product type designation	3SU1
Mounting diameter	22 mm
Number of command points	1
Enclosure front shape	Square
Enclosure material	Plastic
Colour of enclosure top part	Yellow
Design of the housing	With protective collar
Delivered as a kit	No
Pre-wired on strip terminal	No
Reference code acc. to IEC 81346-2	S

SUPPLIED COMPONENTS

Actuator	3SU1000-1HB20-0AA0
Holder	3SU1500-0AA10-0AA0
Contact module (position A1)	3SU1400-2AA10-1CA0
Contact module (position A2)	3SU1400-2AA10-1CA0
Empty enclosure	3SU1801-0AA00-0AC2

ACTUATOR AND FUNCTION

Design of the actuating element	Emergency-stop mushroom pushbutton
Actuator diameter	40 mm
Latching	Positive latching acc. to ISO 13850
Type of unlocking device	Rotate-to-unlatch mechanism
Colour of the actuating element	Red
Material of the actuating element	Plastic
Shape of the actuating element	Round
Positive opening	Yes
EMERGENCY STOP function	Yes
EMERGENCY OFF function	Yes
Suitability as EMERGENCY OFF switch	Yes
Lockout facility	No
Front ring	No
Material of the holder	Plastic
Number of contact modules	2
Number of LED modules	0
Light source	No

ELECTRICAL

Operating voltage, AC at 50 Hz	5 ... 500 V
Operating voltage, AC at 60 Hz	5 ... 500 V
Operating voltage, DC	5 ... 500 V
Contact material of auxiliary contacts	Silver alloy
Number of NC auxiliary contacts	2
Number of NO auxiliary contacts	0
Continuous current, C-characteristic MCB	10 A (for short-circuit current below 400 A)
Continuous current, quick DIAZED fuse link	10 A
Continuous current, DIAZED fuse link gG	10 A
Interface for communication	Without

CONNECTIONS / TERMINALS

Terminal type of modules and accessories	Screw-type terminal
Cable routing on the enclosure	Above and below, 1 x M20 each
Tightening torque, screws in the bracket	1 ... 1.2 N.m
Tightening torque, enclosure cover fixing screws	1.5 ... 1.7 N.m
Tightening torque, screw-type terminals	0.8 ... 0.9 N.m

MECHANICAL AND ENVIRONMENTAL

Height	85 mm
Width	85 mm
Depth	112.5 mm
Net weight	0.373 kg
Shape of the installation opening	Round
Mounting type	Floor mounting; enclosure fastening vertical
Degree of protection	IP66, IP67, IP69 (IP69K)
Degree of protection, NEMA	1, 2, 3, 3R, 4, 4X, 12K, 13
Shock resistance (IEC 60068-2-27)	Sinusoidal half-wave 15 g / 11 ms
Vibration resistance (IEC 60068-2-6)	10 ... 500 Hz: 5 g
Shock and vibration, railway (EN 61373)	Category 1, Class B
Ambient temperature during operation	-25 ... +70 degC
Ambient temperature during storage	-40 ... +80 degC
Environmental category in operation (IEC 60721)	3M6, 3S2, 3B2, 3C3, 3K6 (relative humidity 10 ... 95 %, no condensation)

ENVIRONMENTAL FOOTPRINT

Environmental Product Declaration (EPD)	Yes
Global Warming Potential, total	0.787 kg CO2 eq
Global Warming Potential, manufacturing	0.566 kg CO2 eq
Global Warming Potential, operation	0.235 kg CO2 eq
Global Warming Potential, end of life	-0.015 kg CO2 eq

TYPICAL APPLICATIONS

Machine and conveyor emergency stop, food, beverage and pharmaceutical lines subject to washdown, outdoor and wash-bay plant, packaging and processing machinery, rail and transit equipment, pump and compressor skids.