

Illuminated pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 230 V AC, screw terminal



product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic with metal front ring, matt, 22 mm
manufacturer's article number	• 1 of supplied contact module 3SU1400-1AA10-1FA0 • of supplied LED module 3SU1401-1BF20-1AA0 • of the supplied holder 3SU1500-0AA10-0AA0 • of the supplied actuator 3SU1031-0AB20-0AA0
number of command points	

Actuator	
design of the actuating element	Button, flat
principle of operation of the actuating element	momentary contact type
• product extension optional light source	Yes
color	red
• of the actuating element	
material of the actuating element	plastic
shape of the actuating element	round

outer diameter of the actuating element	38 mm
number of contact modules	1
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	Metal, matt
color of the front ring	sand gray
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
General technical data	
product function	
• positive opening	Yes
product component	
• light source	Yes
insulation voltage	
• rated value	320 V
degree of pollution	3
type of voltage	
• of the operating voltage	AC/DC
surge voltage resistance rated value	4 kV
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 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
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles)	
• typical	3 000 000
electrical endurance (switching cycles)	
• typical	10 000 000
thermal current	10 A
reference code acc. 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
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

Power Electronics

contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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Supply voltage

type of voltage of the supply voltage	AC
• of the light source	
supply voltage of the light source at AC	
• at 50 Hz rated value 230 V • at 60 Hz rated value 230 V	

Control circuit/ Control

inrush current of LED module maximum	3 A
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Auxiliary circuit

design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1

Connections/ Terminals

type of electrical connection	Screw-type terminal
• of modules and accessories	
type of connectable conductor cross-sections	
• solid with core end processing 2x (0.5 ... 0.75 mm²) • solid without core end processing 2x (1.0 ... 1.5 mm²) • finely stranded with core end processing 2x (0.5 ... 1.5 mm²) • finely stranded without core end processing 2x (1,0 ... 1,5 mm²) • at AWG cables 2x (18 ... 14)	
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque	
• with screw-type terminals 0.8 ... 0.9 N·m	

Lamp

type of light source	LED
color of the light source	red
light intensity	450 ... 1 120 mcd

Ambient conditions

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)
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Installation/ mounting/ dimensions

fastening method	front panel mounting
• of modules and accessories	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	11 mm
installation width	29.5 mm
installation depth	71.7 mm

Certificates/ approvals

General Product Approval



[Miscellaneous](#)

Test Certificates

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS

LRS

PRS

RINA

Marine / Ship- ping

other

[Confirmation](#)



RMRS

Further information

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=3SU1136-0AB20-1FA0>

Cax online generator

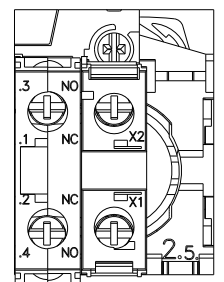
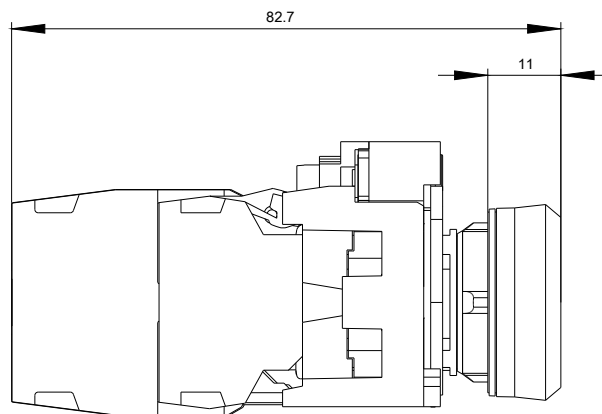
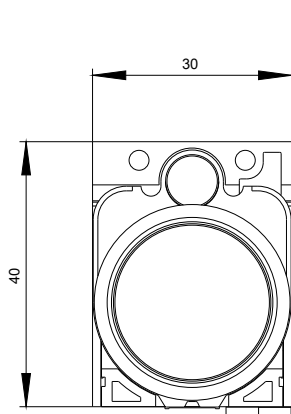
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1136-0AB20-1FA0>

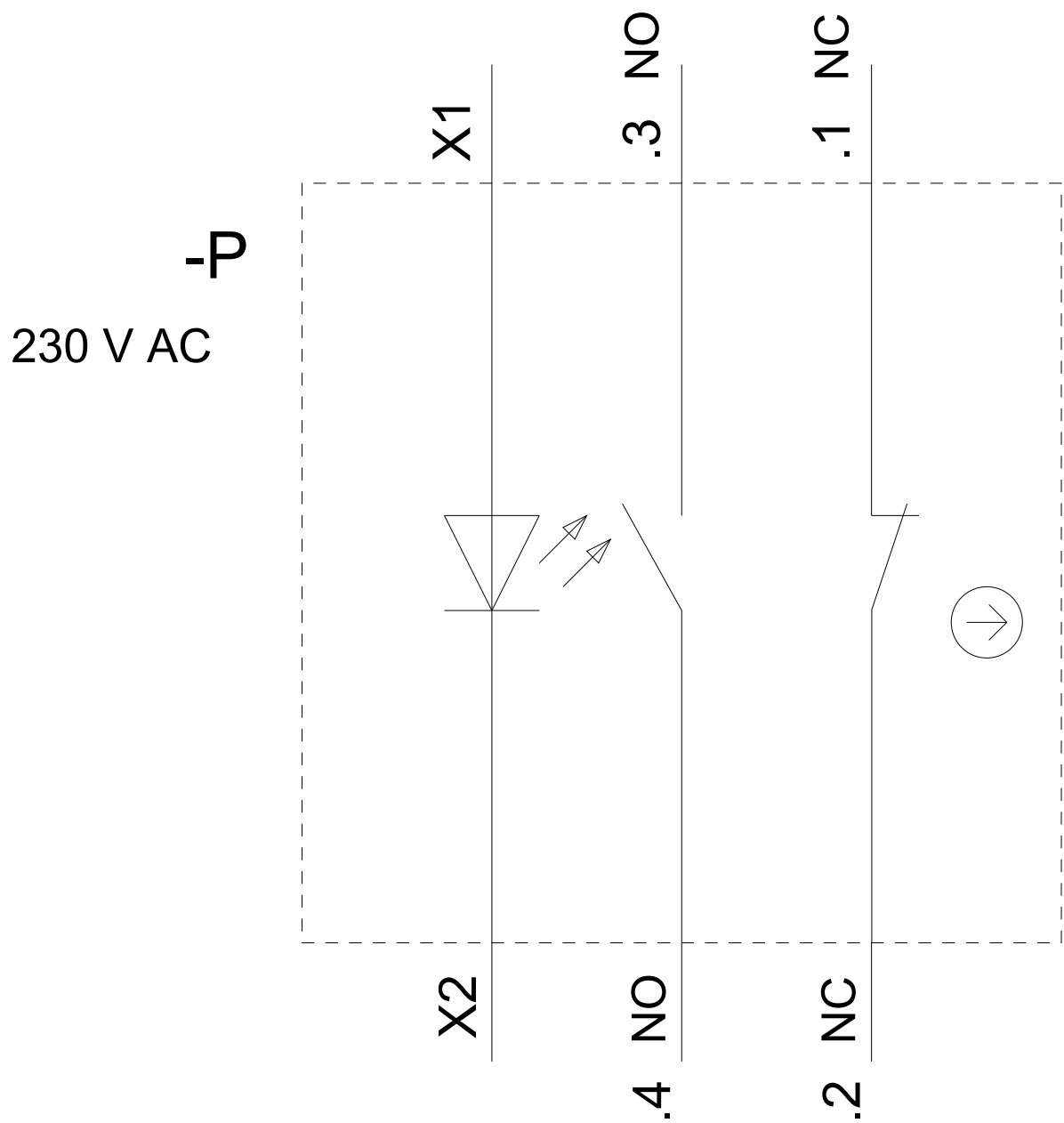
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1136-0AB20-1FA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1136-0AB20-1FA0&lang=en





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