

ILLUMINATED PUSHBUTTON, 22MM, ROUND, METAL, SHINY, YELLOW, FLAT BUTTON, MOMENTARY CONTACT TYPE, WITH HOLDER, 1NO, LED MODULE, WITH INTEGRATED LED 24V AC/DC, SPRING-TYPE TERMINAL

Product brand name	SIRIUS ACT
Product designation	Pushbuttons
Product type designation	3SU1
Manufacturer's article number	
• of supplied contact module	3SU1400-1AA10-3BA0
• 1 of supplied contact module	3SU1400-1AA10-3BA0
• of supplied LED module	3SU1401-1BB30-3AA0
• of the supplied holder	3SU1550-0AA10-0AA0
• of the supplied actuator	3SU1051-0AB30-0AA0
Number of command points	1

Actuator

Design of the operating mechanism	illuminated pushbutton with flat button
Manner of function of the actuating element	Momentary contact type
Product extension optional Light source	Yes
Color	
• of the actuating element	Yellow
Material of the actuating element	plastic
Shape of the actuating element	round
Outer diameter of the actuating element	29.45 mm
Number of contact modules	1
Type of unlocking device	without

Front ring

Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	Metal, high gloss
Color of the front ring	silver

Holder

Material of the holder	Metal
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Display

Number of LED modules	1
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General technical data

Product function	
• positive opening	No

Product component	
• Light source	Yes
Insulation voltage	
• rated value	320 V
Degree of pollution	3
Surge voltage resistance rated value	4 kV
Protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
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
Equipment marking	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 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

Main circuit

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

Supply voltage 1 of the light source at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
Supply voltage 1 of the light source at DC	
• rated value	24 V

Auxiliary circuit	
Design of the contact of auxiliary contacts	Silver alloy
Number of NC contacts • for auxiliary contacts	0
Number of NO contacts • for auxiliary contacts	1
Number of CO contacts • for auxiliary contacts	0
Connections/Terminals	
Type of electrical connection • of modules and accessories	Spring-type terminal
Type of connectable conductor cross-sections • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors	2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 0.75 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 16)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Lamp	
Type of light source	LED
Color of the light source	yellow
Light intensity	900 ... 1 400 mcd
Ambient conditions	
Ambient temperature • during operation • during storage	-25 ... +70 °C -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	front mounting 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	49.7 mm
Certificates/approvals	

General Product Approval				Declaration of Conformity	Test Certificates
 CCC	 CSA	 UL		 EG-Konf.	Declaration of the Compliance with the order

Test Certificates	Marine / Shipping				
Special Test Certificate	 ABS	 LRS	 PRS	 RINA	 RMRS

Marine / Shipping	other
 DNVGL.COM/AF	Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1152-0AB30-3BA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB30-3BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB30-3BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1152-0AB30-3BA0&lang=en

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