SIEMENS

Data sheet 3SU1251-6AC24-1AA0

Indicator light with glow lamp, compact, 22 mm, round, metal, clear with red-green-yellow LED, lens, smooth, with holder, Operating voltage 110 V AC, screw terminal

Product brand name	SIRIUS ACT
Product designation	Indicator lights
Design of the product	Compact unit
Product type designation	3SU1
Manufacturer's article number	
• of the supplied holder	3SU1550-0AA10-0AA0

Enclosure	
Shape of the enclosure front	round

Actuator	
Design of the operating mechanism	With "traffic light" LED
Product extension optional Light source	No
Color	
• of the actuating element	Clear
Material of the actuating element	plastic
Shape of the actuating element	round
Outer diameter of the actuating element	29.5 mm

Front ring	
Product component front ring	No

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Holder	
Material of the holder	Metal

General technical data	
Product component	
• Light source	Yes
Insulation voltage	
• rated value	320 V
Degree of pollution	3
Surge voltage resistance rated value	4 kV
Consumed current	
• maximum	40 mA
Protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
Operating period typical	100 000 h
Reference code acc. to DIN EN 81346-2	P
Reference code acc. to DIN EN 61346-2	P

Supply voltage	
Type of voltage of the supply voltage	
• of the light source	AC
Supply voltage of the light source at AC	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	110 V
Relative negative tolerance of the supply voltage	20 %
Relative positive tolerance of the supply voltage	20 %

Control circuit/ Control	
Inrush current maximum	3 A

Connections/Terminals	
Type of electrical connection	screw-type terminals
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 conductors	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
• with screw-type terminals	0.8 ... 1 N·m

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Lamp

Type of light source	LED
Color of the light source	red/yellow/ green
Light intensity	900 ... 1 400 mcd

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

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	12.9 mm
Installation width	29.5 mm
Installation depth	49.6 mm

Certificates/approvals

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

Test Certific-ates	other
Type Test Certific-ates/Test Report	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=3SU1251-6AC24-1AA0

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1251-6AC24-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1251-6AC24-1AA0

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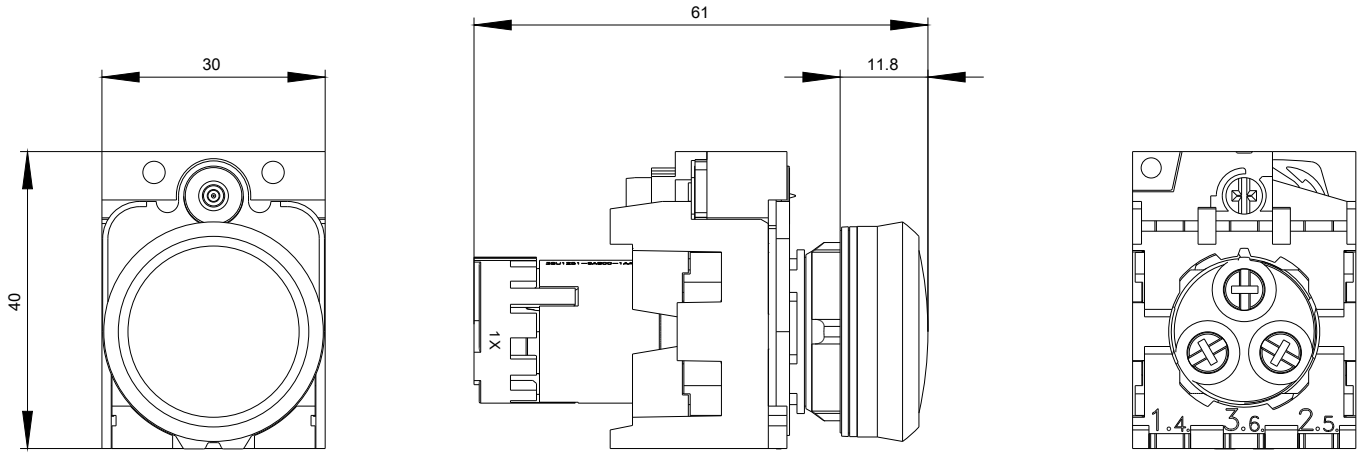
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1251-6AC24-1AA0&lang=en



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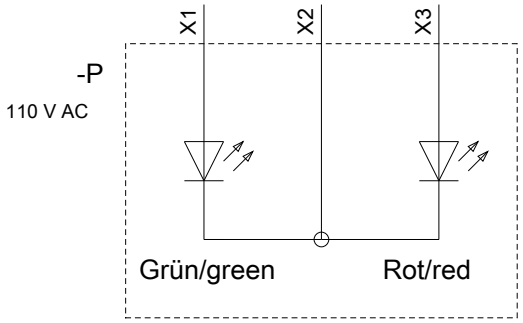

X1	X2	X3	Farbe/color
X	X		Grün/green
	X	X	Rot/red
X	X	X	Gelb/yellow

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