



Indicator lights, 22 mm, round, plastic, clear, lens, smooth, with holder, LED module, with integrated LED 24 V AC/DC, screw terminal, Z=20-unit packaging

product brand name	SIRIUS ACT
product designation	Indicator lights
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
• of supplied LED module	3SU1401-1BB60-1AA0
• of the supplied holder	3SU1550-0AA10-0AA0
• of supplied repeater	3SU1001-6AA70-0AA0
Enclosure	
number of command points	1
Actuator	
product extension optional light source	Yes
color	
• of the actuating element	clear
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.45 mm
Front ring	
product component front ring	No
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
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
protection class IP	IP66, IP67, IP69(IP69K)
protection class IP of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2	P

Substance Prohibitance (Date)	10/01/2014		
SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5		
Net Weight	48 g		
Supply voltage			
type of voltage of the supply voltage of the light source	AC/DC		
supply voltage of the light source at AC	- at 50 Hz rated value24 V - at 60 Hz rated value24 V - at 60 Hz rated value24 ... 24 V		
supply voltage of the light source at DC rated value	24 V 24 ... 24 V		
relative negative tolerance of the supply voltage	20 %		
relative positive tolerance of the supply voltage	20 %		
Control circuit/ Control			
inrush current maximum	2 A		
Connections/ Terminals			
type of electrical connection	other		
of modules and accessories	Screw-type terminal		
type of connectable conductor cross-sections	- solid with core end processing2x (0.5 ... 0.75 mm²) - solid without core end processing2x (1.0 ... 1.5 mm²) - finely stranded with core end processing2x (0.5 ... 1.5 mm²) - finely stranded without core end processing2x (1,0 ... 1,5 mm²) - for AWG cables2x (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	white		
light intensity	900 ... 1 400 mcd		
Ambient conditions			
ambient temperature	- during operation-25 ... +70 °C - during storage-40 ... +80 °C		
environmental category during operation according 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)		
Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
global warming potential [CO2 eq] total	0.787 kg		
global warming potential [CO2 eq] during manufacturing	0.566 kg		
global warming potential [CO2 eq] during operation	0.235 kg		
global warming potential [CO2 eq] after end of life	-0.015 kg		
Siemens Eco Profile (SEP)	Siemens EcoTech		
Installation/ mounting/ dimensions			
fastening method	front plate 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	11.8 mm		
installation width	29.5 mm		
installation depth	49.7 mm		
Approvals Certificates			
General Product Approval		Test Certificates	Maritime application



[Type Test Certificates/Test Report](#)



Maritime application

other

Environment



[Confirmation](#)



Environment

Siemens
EcoTech



[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1102-6AA70-1AA0-Z X90>

Cax online generator

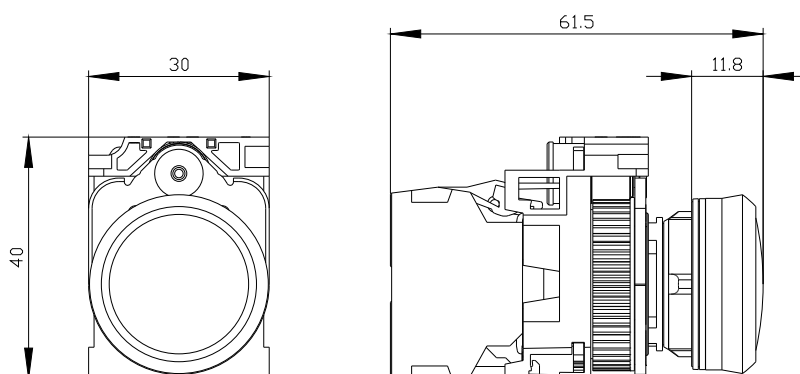
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-6AA70-1AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-6AA70-1AA0-Z X90>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-6AA70-1AA0-Z X90&lang=en





last modified:

4/2/2025 