SIEMENS

Data sheet



Indicator lights, 22 mm, round, metal, shiny, blue, lens, smooth, with holder, LED module with integrated LED 230 V AC, Spring-type terminal

product brand name	SIRIUS ACT
product designation	Indicator lights
design of the product	Complete unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number	
 of supplied LED module 	3SU1401-1BF50-3AA0
 of the supplied holder 	3SU1550-0AA10-0AA0
 of supplied repeater 	3SU1051-6AA50-0AA0
Enclosure	
number of command points	1
Actuator	
product extension optional light source	Yes
color	
of the actuating element	blue
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)
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
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8

at 60 Hz rated value at 60 Hz rated value 230 230 V at 60 Hz rated value 230 230 V relative regularity tolerance of the supply voltage 20 % Control circuit/ Gontrol Tirrush current maximum 3 A Connections/Terminals type of electrical connection of modules and accessories Spring-type terminal type of connectable conductor cross-sections a solid without core end processing of neley stranded with ore end processing a (2x (0.25 1.5 mm²) a finely stranded without core end processing a (2x (0.25 1.5 mm²) a finely stranded without core end processing a (2x (0.25 1.5 mm²) b finely stranded without core end processing a (2x (0.25 1.5 mm²) b finely stranded without core end processing a (2x (0.25 1.5 mm²) b finely stranded without core end processing b finely stranded without fin	supply voltage of the light source at AC • at 50 Hz rated value	230 V
e at 60 Hz rated value 230 230 ∨ relative negative tolerance of the supply voltage 20 % relative positive tolerance of the supply voltage 20 % relative positive tolerance of the supply voltage 20 % relative positive tolerance of the supply voltage 20 % relative positive tolerance of the supply voltage 20 % relative positive tolerance of the supply voltage 20 % relative tolerance of		
relative negative tolerance of the supply voltage relative positive tolerance of the supply voltage rolative positive tolerance of the supply voltage rolative positive tolerance of the supply voltage brunes current maximum 3 A		
relative positive tolerance of the supply voltage **Portion Circuit/ Control **Portion Circuit/ Control **Portion Circuit/ Control **Portion Circuit/ Control **Inrush current maximum **One of modules and accessories **Opin of connectable conductor cross-sections **Oslid without core end processing **Oslid without core end processing **One of May Stranded without core end processing **One AWG cables **Or AWG cables		
Connections/ Terminals type of electrical connection of modules and accessories solid without core end processing in finely stranded with core end processing of nearly stranded without core end processing in finely stranded without core end processing of the without core end processing of without cor		
inrush current maximum Sa Sa		20 %
type of electrical connection of modules and accessories type of connectable conductor cross-sections osolid without core end processing in finely stranded with core end processing in finely stranded without core end processing in finely stranded with core end processing in finely stranded without core end processing in finely stranded with end		2 A
type of electrical connection of modules and accessories type of connectable conductor cross-sections of midules and accessories solid without core end processing of finely stranded with core end processing of nely stranded without core end processing of ra AWG cables core of AWG cables tightening torque of the screws in the bracket amp type of light source color of the light source light intensity ambient conditions ambient temperature of during storage of during storage of during storage environmental category during operation according to IEC environmental footprint Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation of modules and accessories field warming Potential [CO2 eq] during operation of modules and accessories field installation opening mounting diameter outling diameter		3A
type of connectable conductor cross-sections solid without core end processing finely stranded with core end processing finely stranded with core end processing for AWG cables for AWG c		athan
solid without core end processing 2x (0.25 1.5 mm²) • finely stranded with core end processing 2x (0.25 0.75 mm²) • finely stranded without core end processing 2x (0.25 0.75 mm²) • for AWG cables 2x (24 16) • for AWG cables 1 1.2 N·m ***Type of light source		
* solid without core end processing * finely stranded with core end processing * finely stranded with core end processing * finely stranded without core end processing * for AWG cables * 2x (24 16) **tightening torque of the screws in the bracket **amp **type of light source **color of the light source **color of the light source **light intensity **ambient temperature **ouring operation **during storage **environmental category during operation according to IEC **60721 **Environmental footprint **Environmental Foduct Declaration(EPD) **Global Warming Potential [CO2 eq] during manufacturing **Global Warming Potential [CO2 eq] during operation **ouring operation **ouring operation (CO2 eq) during operation **our operation		Spring-type terminal
• finely stranded with core end processing • finely stranded without core end processing • for AWG cables 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m amp type of light source color of the light source light intensity 280 710 mcd intelight intensity • during speration • during operation • during storage environmental category during operation according to IEC 60721 Solobal Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation • of modules and accessories fastening method • of modules and accessories height width solome solution solu		0.4 (0.05 4.5 mm²)
• finely stranded without core end processing • for AWG cables 2x (24 16) 1 1.2 N·m ### August 15 may 16 ma	· · · · · · · · · · · · · · · · · · ·	
tightening torque of the screws in the bracket type of light source color of the light source light intensity **To C **Ouring operation **Ourin		
tightening torque of the screws in the bracket amp type of light source color of the light source light intensity light intensity eduring operation during storage environmental category during operation according to IEC 60721 environmental Product Declaration(EPD) Scrivinomental [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation of modules and accessories statisticn/ mounting/ dimensions front plate mounting height width shape of the installation diameter positive tolerance of installation diameter mounting height installation width 1 1.2 N·m 1		
type of light source blue light source blue light tensity 280 710 mcd subject temperature during operation according to IEC environmental category during operation according to IEC environmental CO2 eq lotal collabul Warming Potential [CO2 eq] during operation according to IEC elobal Warming Potential [CO2 eq] during operation according to IEC elobal Warming Potential [CO2 eq] during operation according to IEC elobal Warming Potential [CO2 eq] during operation permitted for all devices behind front panel) statellation/mounting/dimensions fastening method of modules and accessories front plate mounting eloth installation opening mounting diameter positive tolerance of installation diameter out the statellation width accessories first latellation diameter out the statellation width accessories first latellation width accessories first latellation diameter out the statellation width accessories first latellation width accessories first latellation diameter out the statellation width accessories first latellation width accessories first latellation diameter out the statellation width accessories first latellation width accessories first latellation diameter out the statellation width accessories first latellation width accessories fir		
type of light source color of the light source blue light intensity 280 710 mcd intibient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 60721 Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during		1 1.2 IVIII
color of the light source light intensity 280 710 mcd wibient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 60721 Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] during annufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life enstallation/mounting/dimensions fastening method • of modules and accessories height width so me shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height 11.8 mm installation width 28.0 710 mcd 25 710 mcd 26.0 710 mcd 27.0 720	<u> </u>	LED
light intensity mbient conditions ambient temperature during operation during storage during operation according to IEC 60721 60721 environmental category during operation according to IEC 60721 environmental Product Declaration(EPD) Tenvironmental Product Declaration(EPD) Silvaring Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life establiation/mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height 11.8 mm installation width 29.5 mm	· · ·	
ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 6/0721		
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] during manufacturing 0.235 kg Global Warming Potential [CO2 eq] during operation 0.235 kg Global Warming Potential [CO2 eq] during manufacturing 0.235 kg Global Warming Potential [CO2 eq] during operation 0.235 kg Global Warming Potential [CO2 eq] during operation 0.235 kg Global Warming Potential [CO2 eq] after end of life 0.267 kg Installation/mounting/dimensions fastening method • of modules and accessories front plate mounting mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm mounting height 11.8 mm installation width 29.5 mm	<u> </u>	280 / 10 IIICu
 during operation during storage environmental category during operation according to IEC 60721 ambiguity operation according to IEC 60721 ambiguity operation according to IEC 60721 ambiguity operation permitted for all devices behind front panel) devices behind front panel myironmental Footprint Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg astallation/mounting/dimensions fastening method of modules and accessories front plate mounting height 40 mm width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width 29.5 mm 		
 during storage 40 +80 °C environmental category during operation according to IEC 60721 generation permitted for all devices behind front panel) invironmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg Istallation/ mounting/ dimensions front plate mounting e of modules and accessories front plate mounting height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width 29.5 mm 		25 L70 °C
environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg Installation/mounting/dimensions fastening method of modules and accessories front plate mounting height 40 mm width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width 11.8 mm installation width		
Environmental Froduct Declaration(EPD) Yes Global Warming Potential [CO2 eq] total 0.593 kg Global Warming Potential [CO2 eq] during manufacturing 0.625 kg Global Warming Potential [CO2 eq] during operation 0.235 kg Global Warming Potential [CO2 eq] during operation 0.236 kg Global Warming Potential [CO2 eq] after end of life -0.267 kg Installation/ mounting/ dimensions fastening method of modules and accessories front plate mounting in the installation opening front plate mounting front plate mounting 22.3 mm positive tolerance of installation diameter 0.4 mm mounting height 11.8 mm installation width 29.5 mm	environmental category during operation according to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation
Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg statellation/ mounting/ dimensions fastening method of modules and accessories front plate mounting height 40 mm width 30 mm shape of the installation opening round mounting diameter positive tolerance of installation diameter mounting height 11.8 mm installation width 29.5 mm	nvironmental footprint	
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg statllation/ mounting/ dimensions fastening method of modules and accessories Front plate mounting height 40 mm width 30 mm shape of the installation opening mounting diameter 22.3 mm positive tolerance of installation diameter mounting height 11.8 mm installation width 29.5 mm		Yes
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg statllation/ mounting/ dimensions fastening method of modules and accessories Front plate mounting height 40 mm width 30 mm shape of the installation opening mounting diameter 22.3 mm positive tolerance of installation diameter mounting height 11.8 mm installation width 29.5 mm	,	0.593 kg
Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life -0.267 kg stallation/ mounting/ dimensions fastening method of modules and accessories front plate mounting height 40 mm width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height 11.8 mm installation width 29.5 mm		·
fastening method of modules and accessories front plate mounting height 40 mm width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height 11.8 mm installation width front plate mounting front plate mount	Global Warming Potential [CO2 eq] during operation	
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	Global Warming Potential [CO2 eq] after end of life	-0.267 kg
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		
● of modules and accessories Front plate mounting 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	fastening method	front plate mounting
height40 mmwidth30 mmshape of the installation openingroundmounting diameter22.3 mmpositive tolerance of installation diameter0.4 mmmounting height11.8 mminstallation width29.5 mm	of modules and accessories	
width30 mmshape of the installation openingroundmounting diameter22.3 mmpositive tolerance of installation diameter0.4 mmmounting height11.8 mminstallation width29.5 mm	height	
mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm mounting height 11.8 mm installation width 29.5 mm	width	30 mm
mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm mounting height 11.8 mm installation width 29.5 mm		round
positive tolerance of installation diameter 0.4 mm mounting height 11.8 mm installation width 29.5 mm		
mounting height 11.8 mm 29.5 mm	•	
installation width 29.5 mm		
installation depth 49.7 mm	installation depth	49.7 mm
	pprovals Certificates	

Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









other	Environment
other	Environment

<u>Confirmation</u> <u>Environmental Confirmations</u>

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3SU1156-6AA50-3AA0

Cax online generator

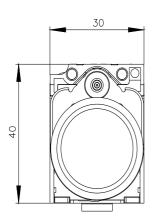
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1156-6AA50-3AA0

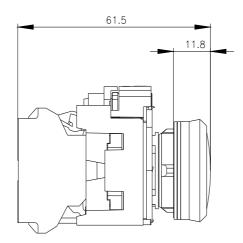
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

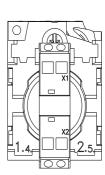
https://support.industry.siemens.com/cs/ww/en/ps/3SU1156-6AA50-3AA0

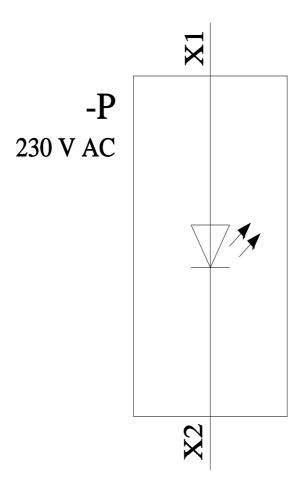
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1156-6AA50-3AA0&lang=en









last modified: 11/8/2023 🖸