## SIEMENS

## Data sheet

## 3SU1156-6AA50-1AA0



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

product frand name         SRIUS ACT           product design aftin on         Indicator lights           design of the product         Complete unit           product type designation         3SU1           product line         Metal, shiny, 22 mm           manufacturer's article number         SU1401-18F50-1AA0           • of supplied teD module         3SU150-0AA10-0AA0           • of supplied repeater         3SU1051-6AA50-0AA0           • of one mand points         1           Actuator         Tumber of command points           Actuator         1           Actuator         Product extension optional light source           • of the actuating element         blue           material of the actuating element         plastic           ring         product component front ring           No         Metadot           Front ring         No           Moduct component front ring         No           Moduct component front ring         1           Product component front ring         No           Moduct component front ring         1           General technical data         1           general of the holder         Plastic           Display         3           material of		
design of the product     Complete unit       product type designation     3SU1       product line     Metal, shiny, 22 mm       manufacturer's article number     SU1401-18F50-1AA0       • of supplied LED module     3SU1401-18F50-1AA0       • of supplied holder     3SU150-0AA10-0AA0       • of supplied repeater     SU150-0AA10-0AA0       Fricosuro        number of command points     1       Actuator        product extension optional light source     Yes       color     of the actuating element       picduct extension aptional light source     Yes       color     othe actuating element       product component front ring     No       Product component front ring     No       Holder     1       material of the holder     945 mm       Front ring     No       Holder     Plastic       Display     1       number of LED modules     1       General technical data     product component light source       product component light source     Yes       Insulation voltage rated value     320 V       degree of pollution     3       surge voltage resistance rated value     4V       protection class IP     IP66, IP67, IP69(IP69K)       protection class	product brand name	SIRIUS ACT
product line         3SU1           product line         Metal, shiny, 22 mm           manufacturer's article number         SSU1401-1BF50-1AA0           • of supplied LED module         SSU1550-0AA10-0AA0           • of supplied holder         3SU1550-0AA10-0AA0           • of supplied repeater         BSU1051-0AA50-0AA0           Product extension optional light source         Yes           color         of the actuating element           product extension optional light source         Yes           color         out actuating element           product extension optional light source         Yes           color         outer diameter of the actuating element           outer diameter of the actuating element         pastic           stape of the actuating element         29.45 mm           Front ring         No           Product component front ring         No           Holder         Plastic           Display         Incomponent front ring           number of LED modules         1           General technical data         Product component light source           product component light source         Yes           insulation vortage rated value         320 V           degree of polulution         3	product designation	Indicator lights
product line       Metal, shiny, 22 mm         manufacturer's article number       3SU1401-1BF50-1AAQ         • of the supplied helder       3SU1450-0AA10-0AQ         • of supplied repeater       3SU1401-1BF50-1AAQ         = number of command points       1         Actuator	design of the product	Complete unit
manufacturer's article number       SSU1401:1BF50-1AAQ         • of supplied LDD module       SSU150:0AA10:0AAQ         • of supplied holder       SSU150:0AA10:0AAQ         • of supplied repeater       SSU1051:6AA50:0AAQ         Enclosure       Imaterial of the actuating element         product extension optional light source       Yes         color       of the actuating element         plastic       round         shape of the actuating element       plastic         shape of the actuating element       plastic         product component front ring       No         Holder       Imaterial of the actuating element         product component front ring       No         Holder       Imaterial of the holder         Display       Imaterial of the holder         product component light source       Yes         Insulation voltage rated value       320 V         degree of pollution       3         surge voltage resistance rated value       4kV         protection class IP of the terminal       IP20         degree of protection RMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms <td>product type designation</td> <td>3SU1</td>	product type designation	3SU1
• of supplied LED module       3SU1401-18F50-1AAQ         • of the supplied holder       3SU1550-0AA10-0AAQ         • of supplied repeater       3SU1051-6AA60-0AAQ         Enclosure       Immber of command points       1         Actuator       Immber of command points       1         Product extension optional light source       Yes       Yes         color       • of the actuating element       plastic         inaterial of the actuating element       plastic       1         shape of the actuating element       29.45 mm       1         product extension optional light source       Yes       Yes         outer diameter of the actuating element       29.45 mm       1         product component front ring       No       1         Holder       Plastic       1         material of the holder       Plastic       1         Display       Immber of LED modules       1         General technical data       Yes       1         Insulation voltage rated value       320 V       3         degree of pollution       3       3       3         surge voltage resistance rated value       4 kV       1       1         protection class IP of the terminal       IP20       4	product line	Metal, shiny, 22 mm
of the supplied holder             solupbled repeater             sSU1051-6AA50-0AA0          SSU1051-6AA50-0AA0          SSU1051-6AA50-0AA0          SSU1051-6AA50-0AA0           Inumber of command points         1         Actuator          product extension optional light source             ves         color             of the actuating element             blue             material of the actuating element             plastic         shape of the actuating element             plastic         shape of the actuating element             vound         outer diameter of the actuating element             product component front ring             No         Holder         material of the holder         Plastic         product component front ring         No         Holder          number of LED modules         1         General technical data             product conponent light source             Yes             insulation voltage rated value             4 kV         protection class IP             product ass IP             vesting             insusolida half-wave 15g / 11 ms             vibration resistance             • according to IEC 60068-2-6             10 500 Hz: 5g	manufacturer's article number	
• of supplied repeater       2SU1051-6AA50-0AA0         Enclosure	<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BF50-1AA0</u>
Enclosure       1         Actuator	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
number of command points         1           Actuator         Product extension optional light source         Yes           color         Ves         Color           • of the actuating element         blue         material of the actuating element         plastic           shape of the actuating element         plastic         Shape of the actuating element         29.45 mm           Front ring         Product component front ring         No         No           Holder         Plastic         Plastic         Plastic           Display         number of LED modules         1         General technical data           product component light source         Yes         Ves         Insulation voltage rated value         320 V           degree of pollution         3         surge voltage resistance rated value         4 kV         Profection class IP         IP66, IP67, IP69(IP69K)         IP20           degree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance         e according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms         vibration resistance           • according to IEC 60068-2-6         10 500 Hz: 5g         10 500 Hz: 5g         10 500 Hz: 5g	<ul> <li>of supplied repeater</li> </ul>	<u>3SU1051-6AA50-0AA0</u>
Actuator         product extension optional light source       Yes         color       • of the actuating element         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         Front ring       No         Holder       Product component front ring         Material of the holder       Plastic         Display       number of LED modules         general technical data       1         general technical data       320 V         general technical data       320 V         general technical since       Yes         insulation voltage rated value       320 V         degree of pollution       3         surge voltage rasistance 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       sinusoidal half-wave 15g / 11 ms         vibration resistance       insuloidal half-wave 15g / 11 ms	Enclosure	
product extension optional light source       Yes         color       • of the actuating element         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         Front ring       No         Holder       Plastic         material of the holder       Plastic         Display       number of LED modules         number of LED modules       1         General technical data       20.20 V         gerge of pollution       3         surge voltage resistance rated value       4.VV         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       insuloidal half-wave 15g / 11 ms	number of command points	1
color       blue         • 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         Product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       number of LED modules         number of LED modules       1         General technical data       groduct component light source         product component light source       Yes         linsulation 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       sinusoidal half-wave 15g / 11 ms         vibration resistance       insuidal half-wave 15g / 11 ms	Actuator	
• of the actuating element       blue         material of the actuating element       round         outer diameter of the actuating element       29.45 mm         Frond ring       vertice         product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       number of LED modules         number of LED modules       1         General technical data       group of protection class IP         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       e.according to IEC 60068-2-27         vibration resistance       insulcid half-wave 15g / 11 ms	product extension optional light source	Yes
material of the actuating element     plastic       shape of the actuating element     round       outer diameter of the actuating element     29.45 mm       Front ring     No       Product component front ring     No       Holder     Plastic       Display     Inumber of LED modules       number of LED modules     1       General technical data     Yes       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     sinusoidal half-wave 15g / 11 ms       vibration resistance     isuusoidal half-wave 15g / 11 ms	color	
shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         Front ring       No         product component front ring       No         Holder       Plastic         Display       1         General technical data       1         groduct 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       e.according to IEC 60068-2-27         vibration resistance       10 500 Hz: 5g	<ul> <li>of the actuating element</li> </ul>	blue
outer diameter of the actuating element       29.45 mm         Front ring       No         product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       1         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms       500 Hz: 5g	material of the actuating element	plastic
Front ring       No         product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       product component light source         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	shape of the actuating element	round
product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       2000         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms         vibration tesistance       according to IEC 60068-2-6f       10 500 Hz: 5g	outer diameter of the actuating element	29.45 mm
Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       7         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       inusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	Front ring	
material of the holderPlasticDisplayInumber of LED modules1General technical dataYesproduct component light sourceYesinsulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IPIP66, IP67, IP69(IP69K)protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msvibration resistance10 500 Hz: 5g	product component front ring	No
Display       1         number of LED modules       1         General technical data       Yes         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       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	Holder	
number of LED modules       1         General technical data	material of the holder	Plastic
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       insuisoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	Display	
product component light sourceYesinsulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IPIP66, IP67, IP69(IP69K)protection class IP of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msvibration resistance10 500 Hz: 5g	number of LED modules	1
production protocol300insulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IPIP66, IP67, IP69(IP69K)protection class IP of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27vibration resistance10 500 Hz: 5g	General technical data	
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       inusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	product component light source	Yes
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       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	insulation voltage rated value	320 V
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       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	degree of pollution	3
protection class IP of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	surge voltage resistance rated value	4 kV
degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       inusoidal half-wave 15g / 11 ms         vibration resistance       inusoidal half-wave 15g / 11 ms         • according to IEC 60068-2-6       10 500 Hz: 5g	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance     sinusoidal half-wave 15g / 11 ms       • according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms       vibration resistance     10 500 Hz: 5g	protection class IP of the terminal	IP20
• according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance       10 500 Hz: 5g	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance     10 500 Hz: 5g	shock resistance	
• according to IEC 60068-2-6 10 500 Hz: 5g	<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
	vibration resistance	
reference code according to IEC 81346-2 P	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
	reference code according to IEC 81346-2	Р

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
Weight	58 g
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	230 V
• at 60 Hz rated value	230 V
at 60 Hz rated value	230 230 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	other
of modules and accessories	
	Screw-type terminal
type of connectable conductor cross-sections	$2 \times (0.5 - 0.75 \text{ mm}^2)$
solid with core and processing	2x (0.5 0.75 mm <sup>2</sup> )
solid without core end processing	2x (1.0 1.5 mm <sup>2</sup> )
finely stranded with core end processing	2x (0.5 1.5 mm <sup>2</sup> )
finely stranded without core end processing	2x (1,0 1,5 mm <sup>2</sup> )
for 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	blue
light intensity	280 710 mcd
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	0.593 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] after end of life	-0.267 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Installation/ mounting/ dimensions	
fastening method	front plate mounting
<ul> <li>of modules and accessories</li> </ul>	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	





UK CA **Confirmation** 







## Further information

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=3SU1156-6AA50-1AA0

Cax online generator

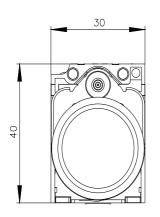
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1156-6AA50-1AA0

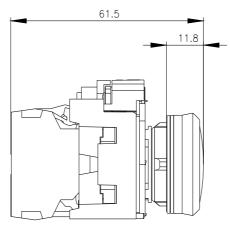
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

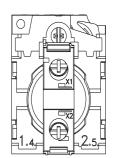
https://support.industry.siemens.com/cs/ww/en/ps/3SU1156-6AA50-1AA0

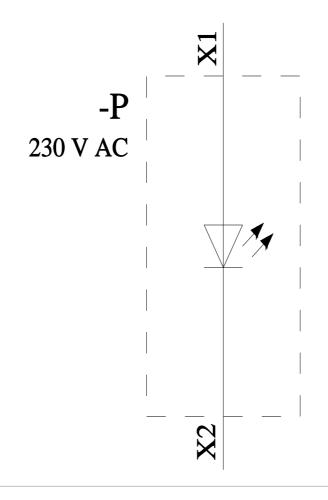
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1156-6AA50-1AA0&lang=en









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