## 3SU1156-0AB50-3BA0-Z Y10

## **Data sheet**



Illuminated pushbutton, 22 mm, round, Metal, shiny, blue, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 230 V AC, spring-type terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

product designation design of the product Complete unit SSU1 Product type designation  Metal, shiny, 22 mm  manufacturer's article number of supplied contact module at position 1 SSU1400-1AA10-3BA0 of supplied contact module at position 1 SSU1401-1BF50-3AA0 of the supplied holder of the supplied at position 1 SSU1401-1BF50-3AA0 of the supplied at position 1 SSU1401-1BF50-3AA0 of the supplied at position 1 SSU1550-0AA10-0AA0 of the supplied at position 2 SSU1051-0AB50-0AA0 number of command points 1  Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source Ves color of the actuating element material of the actuating element product extension optional light source product component front ring design of the actuating element custer diameter of the actuating element marking of the actuating element custer diameter of the actuating element product component front ring design of the front ring design of the front ring design of the front ring Metal, high gloss color of the front ring Holder material of the holder Plastic  Plastic  General tochnical data product function positive opening product component light source Ves Insulation voltage rated value degree of pollution yes of the operating voltage surge voltage resistance rated value  # VFV or of te terminal  # VFV # Protection class IP # PEOSIC # PEOSIC PEOSIC PEOSIC PEOSIC # PEOSIC PEOSIC PEOSIC PEOSIC # PEOSIC PEOSIC PEOSIC	product brand name	SIRIUS ACT
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product type designation product tine manufacturer's article number  • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the holder	. •	·
product line Metal, shiny, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied holder of the supplied actuator assulf550-0AA10-0AA0 of the supplied actuator number of command points 1 Actuator design of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element shape of the actuating element outer diameter of the actuating element councide diameter of the actuating element product extension optional light source color of the actuating element councide diameter of the actuating element councide actuatin		
manufacturer's article number  of supplied contact module at position 1  of supplied LED module  of the supplied actuator  assuration of command points  Actuator  design of the actuating element  principle of operation of the actuating element  principle of operation of the actuating element  principle of operation of the actuating element  product extension optional light source  color of the actuating element  blue  material of the actuating element  outer diameter of the actuating element  marking of the actuating element  product extension optional light source  color of the actuating element  passic  customized labeling, text in lower case / capital letters, all lines start with capital letter  number of contact modules  1  Front ring  Product component front ring  design of the front ring  Metal, high gloss  color of the front ring  material of the front ring  Metal, high gloss  color of the front ring  material of the holder  Plastic  Display  mumber of LED modules  1  General technical data  product function positive opening  product component light source  Yes  lisualiation voltage rated value  320 V  degree of pollution  3 type of voltage of the operating voltage  ACIDC  survey voltage resistance rated value  4 kV  protection class IP		
of supplied contact module at position 1     of supplied LED module 38U1401-18F60-3ANQ     of the supplied holder 38U1550-0AA10-0AAQ     of the supplied actuator 38U1651-0A850-0AAQ number of command points 1  Actuator  design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element but plastic shape of the actuating element round plastic shape of the actuating element product extension optional representation of the actuating element product extension optional representation plastic shape of the actuating element product extension optional representation plastic shape of the actuating element plastic shape of the front ring plastic shape of the bolder plastic shape of the bolder plastic shape of the plastic pl	·	
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of the supplied holder of the supplied actuator asulo51-0A850-0AA0  number of command points 1  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element marking of the actuating element product extension optional element participation of the actuating element product extension optional element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element product diameter of the actuating element product of the actuating element product component front ring product component front ring product component front ring Standard material of the front ring silver  Holder material of the holder plastic  Plastic  Plastic  General technical data product function positive opening product function positive opening product function positive opening product gerated value gere of pollution 3 (VPC) 320 V 460 degree of pollution 3 (VPC) 330 SURP (VPC) 340 PC) 350 PC) 350 PC) 350 PC) 360 PC) 360 PC) 360 PC) 361 PC) 361 PC) 361 PC) 362 PC) 363 PC) 364 PC) 365 PC) 366 PC) 367 PC		
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shape of the actuating element outer diameter of the actuating element  marking of the actuating element  customized labeling, text in lower case / capital letters, all lines start with capital letter  number of contact modules  front ring  product component front ring	color of the actuating element	blue
outer diameter of the actuating element  marking of the actuating element  Customized labeling, text in lower case / capital letters, all lines start with capital letter  number of contact modules  1  Front ring  product component front ring		plastic
marking of the actuating element  Customized labeling, text in lower case / capital letters, all lines start with capital letter  number of contact modules  1  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  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  No  product component light source  Yes  insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  4 kV  protection class IP  I Customized labeling, text in lower case / capital letters, all lines start with capital letter  1  Customized labeling, text in lower case / capital letters, all lines start with capital letters  1  Customized labeling, text in lower case / capital letters, all lines start with capital letters  1  Customized labeling, text in lower case / capital letters  1  Pes  4 kV  Protection class IP	shape of the actuating element	round
capital letter  number of contact modules  1  Front ring  product component front ring	outer diameter of the actuating element	29.45 mm
product component front ring  product component front ring  design of the front ring  Metal, high gloss  color of the front ring  silver  Holder  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  product component light source  insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage surge voltage resistance rated value  4 kV  protection class IP  Yes  insulation voltage resistance rated value  4 kV  protection class IP	marking of the actuating element	
product component front ring  design of the front ring  Metal, high gloss  color of the front ring  Metal, high gloss  color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  product component light source  yes  insulation voltage rated value  320 V  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  4 kV  protection class IP  IP66, IP67, IP69(IP69K)	number of contact modules	1
design of the front ring material of the front ring Metal, high gloss color of the front ring silver  Holder material of the holder Plastic  Display number of LED modules 1 General technical data product function positive opening product component light source insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	Front ring	
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color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  formal technical data  product function positive opening  product component light source  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  silver  Plastic  Plastic  Plastic  No  1  4  AC/DC	design of the front ring	Standard
material of the holder Plastic  Display  number of LED modules 1  General technical data  product function positive opening No product component light source Yes insulation voltage rated value 320 V  degree of pollution 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 4 kV  protection class IP IP66, IP67, IP69(IP69K)	material of the front ring	Metal, high gloss
material of the holder  Display  number of LED modules  1  General technical data  product function positive opening  product component light source insulation voltage rated value  degree of pollution  type of voltage of the operating voltage surge voltage resistance rated value  protection class IP  Plastic  Plastic  Plastic  Plastic  AC/DC	color of the front ring	silver
number of LED modules  1  General technical data  product function positive opening     No  product component light source     Yes  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage surge voltage resistance rated value  protection class IP  1  AC/DC  SURGE VORTON SURGE (IP67, IP69(IP69K))	Holder	
number of LED modules  General technical data  product function positive opening No product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	material of the holder	Plastic
product function positive opening Product component light source Product component light sour	Display	
product function positive opening  product component light source  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  No  Yes  320 V  AC/DC  4 kV  Protection class IP	number of LED modules	1
product component light source  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  Yes  320 V  AC/DC  4 kV  Protection class IP	General technical data	
insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage surge voltage resistance rated value  protection class IP  320 V  AC/DC  4 kV  Protection class IP	product function positive opening	No
degree of pollution  3 type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 4 kV  protection class IP IP66, IP67, IP69(IP69K)	product component light source	Yes
type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  AC/DC  4 kV  IP66, IP67, IP69(IP69K)	insulation voltage rated value	320 V
surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	degree of pollution	3
protection class IP IP66, IP67, IP69(IP69K)	type of voltage of the operating voltage	AC/DC
	surge voltage resistance rated value	4 kV
• of the terminal IP20	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
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 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
Substance Prohibitance (Date)	10/01/2014
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)
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
Control circuit/ Control	
inrush current of LED module maximum	3 A
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
Connections/ Terminals	
type of electrical connection	spring-loaded terminals
<ul> <li>of modules and accessories</li> </ul>	Spring-type terminal
of modules and accessories  type of connectable conductor cross-sections	Spring-type terminal
	Spring-type terminal  2x (0.25 1.5 mm²)
type of connectable conductor cross-sections	
type of connectable conductor cross-sections • solid without core end processing	2x (0.25 1.5 mm²)
<ul> <li>type of connectable conductor cross-sections</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)
<ul> <li>type of connectable conductor cross-sections</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables</li> </ul>	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²)
<ul> <li>type of connectable conductor cross-sections</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16)
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m
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type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting Front plate mounting 40 mm
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting Front plate mounting 40 mm 30 mm
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting 40 mm 30 mm round
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting 40 mm 30 mm round 22.3 mm
type of connectable conductor cross-sections	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED blue 280 710 mcd  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting 40 mm 30 mm round

installation width	29.5 mm
installation depth	49.7 mm
Certificates/ approvals	

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=3SU1156-0AB50-3BA0-Z Y10

Cax online generator

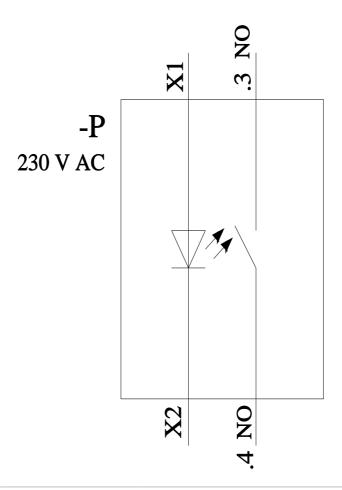
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1156-0AB50-3BA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1156-0AB50-3BA0-Z Y10

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1156-0AB50-3BA0-Z Y10&lang=en



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