## SIEMENS

## Data sheet

## 3SU1103-6AA50-1AA0

product designation         SIRUS ACT           product designation         Indicator lights           design of the product         Complete unit           product type designation         SU1           product type designation         SU1           product type designation         SU1           of supplied LED module         SU11950-0AA10-0AA0           a of supplied holder         SU11950-0AA10-0AA0           of supplied repeater         SU11950-0AA10-0AA0           Product extension optional light source         Yes           color         of the actuating element           place         place           of the actuating element         plasic           other actuating element         plasic           product component front ring         No           Holder         Plasic           product component front ring         No           Holder         Plasic           Display         I           material of the holder         Plasic           Display         I           material of the holder         Plasic           Display         I           outor diameter of LED modules         1           General technical data         IPPO		Indicator lights, 22 mm, round, plastic, blue, lens, smooth, with holder, LED module with integrated LED 110 V AC, screw terminal			
product designation         Indicator lights           design of the product product line         Complete unit           asU1         SU1           product line         Plastic, black, 22 mm           manufacturer's article number         3SU1401-1BC50-1AA0           • of supplied LED module         3SU1550-0AA10-0AA0           • of supplied holder         3SU1550-0AA10-0AA0           • of supplied repeater         3SU1001-6AA50-0AA0           Enclosure         Immber of command points           1         Actuator           product extension optional light source         Yes           color         of the actuating element           • of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         round           outer diameter 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 tachinical data         20 V           insulation voltage resistance rated value         320 V           odgree of portection NEMA	needuct brand name				
design of the productComplete unitproduct type designation3SU1product timePlastic, black, 22 mmmanufacturer's article number3SU1401-1B/C50-1AAQ• of supplied LED module3SU1401-1B/C50-1AAQ• of supplied repeater3SU1001-6AA50-0AAQ• of supplied repeater3SU1001-6AA50-0AAQEnclosureTnumber of command points1ActuatorColor• of the actuating elementblue• of the actuating elementplastic• of the actuating elementplastic• of the actuating elementplastic• product component front ringNoProduct component front ringNoHolderPlasticproduct component front ringNoHolderUouter of LED modules1General technical data20 Vgeneral technical data1product component light sourceYesinsulation voltage rated value32 Vdegree of poliution3surge voltage rasistance rated value4 kV• of the terminalIP20• of the terminalIP20• of the terminalIP20• of tage policient saccording to EN 61373Category 1, Class B• invalidation valparated value4 kV• for railway applications according to EN 61373Category 1, Class B• invalva applications according to EN 61373Category 1, Class B• invalva applications according to EN 61373Category 1, Class B• invali	•				
product type designation         3SU1           product line         Plastic, black, 22 mm           manufacturer's article number         SU11401-18C50-1AA0           • of supplied LDB module         3SU1550-0AA10-0AA0           • of supplied holder         3SU1101-18C50-1AA0           • of supplied holder         3SU1101-18C50-1AA0           • of supplied holder         3SU1100-16AA50-0AA0           • of supplied repeater         7           number of command points         1           Actuator         -           product extension optional light source         Yes           color         -           • of the actuating element         plue           plastic         round           shape of the actuating element         round           outer diameter of the actuating element         29.45 mm           Front ring         No           Holder         -           number of LED modules         1           General technical data         -           product component fight source         Yes           insulation voltage rated value         320 V           degree of pollution         3           surge voltage rasistance rated value         4KV           insuslation voltag					
product line     Plastic, black, 22 mm       manufacturer's article number     SUI1401-1BC50-1AA0       • of supplied LED module     3SUI1550-0AA10-0AA0       • of supplied holder     3SUI1550-0AA10-0AA0       • of supplied repeater     3SUI1550-0AA10       • of supplied repeater     3SUI150-0AA0       • of supplied repeater     3SUI101-6AA50-0AA0       • of the supplied holder     3SUI101-6AA50-0AA0       • of the actuating element     Ves       product extension optional light source     Yes       color     • of the actuating element       plastic     product component front ring       product component front ring     No       Holder     Plastic       material of the holder     Plastic       Display     1       number of LED modules     1       Genoral technical data     320 V       general technical data     320 V       degree of pollution     3       surge voltage resistance rated value     4KV       product component IGMI source     Yes       insulation voltage rated value     320 V       degree of pollution     3       surge voltage resistance rated value     4KV       insulation voltage rated value     4KV       isolation in teststance     -       • of the terminal </td <td></td> <td></td>					
manufacturer's article number     SUL1401-1BC50-1AA0       • of the supplied holder     SUL1401-1BC50-1AA0       • of the supplied holder     SUL1401-1BC50-1AA0       • of the supplied holder     SUL1401-1BC50-0AA0       • of the actuating element     1       material of the actuating element     plastic       • of the actuating element     plastic       shape of the actuating element     29.45 mm       • of the holder     Product component front ring       No     Holder       material of the holder     Plastic       Display     I       number of LED modules     1       General technical data     220 V       geree of pollution     3       surge resistance rated value     4 kV       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 pollution     3       shock resistance     4 kV       • for railwa					
<ul> <li>of the supplied holder</li> <li>of supplied repeater</li> <li>asU1550-0AA10-0AA0</li> <li>supplied repeater</li> <li>asU1001-8AA50-0AA0</li> <li>Enclosure</li> <li>number of command points</li> <li>Actuator</li> <li>product extension optional light source</li> <li>of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>plastic</li> <li>of the actuating element</li> <li>plastic</li> <li>of the actuating element</li> <li>plastic</li> <li>ord the actuating element</li> <li>poduct component front ring</li> <li>No</li> <li>Holder</li> <li>product component front ring</li> <li>No</li> <li>Holder</li> <li>product component fight source</li> <li>insulation voltage rated value</li> <li>g20 V</li> <li>dgeree of pollution</li> <li>surge voltage restance rated value</li> <li>product congonent NEMA rating</li> <li>insulation voltage rated value</li> <li>insulation to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60088-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60088-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60088-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60088-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60088-2-6</li> <li>for railway applications according to EN 61373</li> </ul>					
<ul> <li>of the supplied holder</li> <li>of supplied repeater</li> <li>astruction</li> </ul> Enclosure number of command points 1 Actuator product extension optional light source <ul> <li>of the actuating element</li> <li>of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>ound</li> <li>ound</li> <li>ound and</li> <li>ound file actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>poduct component front ring</li> <li>No</li> </ul> Product component front ring <ul> <li>No</li> </ul> Holder <ul> <li>product component fight source</li> <li>general technical data</li> </ul> Product ongonent actuating element <ul> <li>slage of the actuating element</li> </ul> Product component fort ring <ul> <li>No</li> </ul> Holder <ul> <li>Product component fight source</li> <li>insulation voltage rated value</li> <li>general technical data</li> </ul> Product congonent Repeater <ul> <li>Yes</li> <li>insulation voltage rated value</li> <li>general technical since</li> <li>of the terminal</li> <li>IP20</li> <li>degree of protection NEMA rating</li> <li>shock resistance</li> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>for railway applications according to EN 61373</li> <li>reference code according to EN 61374-2</li> </ul>	<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BC50-1AA0</u>			
• of supplied repeater       3SU1001-6AA50-0AA0         Finctosure       I         number of command points       1         Actuator       Product extension optional light source       Yes         color       • of the actuating element       plastic         shape of the actuating element       plastic       pound         outer diameter of the actuating element       29.45 mm       Product component front ring         Product component front ring       No       No         Holder       Plastic       Plastic         Display       I       General technical data         product component light source       Yes       Yes         insulation voltage resistance rated value       320 V       3         surge of pollution       3       3         surge of pollution       3       3         e of the terminal       IP20       IP20         e of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13       shock resistance         • according to IEC 60068-2-27       sinus/applications according to EN 61373       Category 1, Class B         vibration resistance       • according to IEC 60068-2-6       Category 1, Class B         • for raliway applications according to EN 61373       Category 1, Class B         vibr		<u>3SU1550-0AA10-0AA0</u>			
number of command points         1           Actuator         Product extension optional light source color         Yes           of the actuating element         blue         plastic           shape of the actuating element         plastic         round           outer diameter of the actuating element         29.45 mm         Front ring           product component front ring         No         Hotder           material of the holder         Plastic         Plastic           Display         number of LED modules         1           General technical data         Yes         320 V           degree of pollution         3         surge voltage resistance rated value           insulation voltage rated value         4 kV         Protection class IP           of the terminal         IP20         IP20           degree of pollution         3         surge voltage resistance           e according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           e for railway applications according to EN 61373         Category 1, Class B           vibration resistance         e according to IEC 60068-2-6         10 500 Hz: 5g           e for railway applications according to EN 61373         Category 1, Class B		<u>3SU1001-6AA50-0AA0</u>			
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         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       220 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       sinusoidal half-wave 15g / 11 ms         • 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       <	Enclosure				
product extension optional light source     Yes       color     • of the actuating element     blue       material of the actuating element     plastic       round     outer diameter of the actuating element     29.45 mm       Front ring     No       Product component front ring     No       Holder     Plastic       Display     number of LED modules       number of LED modules     1       General technical data     29.0 V       gere of pollution     3       surge voltage resistance rated value     320 V       degree of pollution     3       surge voltage resistance rated value     4 kV       protection class IP     IP20       degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13       shock resistance     insulation saccording to IEC 60068-2-27       • for railway applications according to EN 61373     Category 1, Class B       vibration resistance     0	number of command points	1			
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Front ring       No         product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       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)         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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         • 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		round			
product component front ring       No         Holder       Plastic         material of the holder       Plastic         Display       I         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)         • 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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       0 500 Hz: 5g         • according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       0 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B	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       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)         • 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         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					
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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)         • 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		Plastic			
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• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance					
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<ul> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance         <ul> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> </ul> </li> <li>reference code according to IEC 81346-2</li> <li>P</li> </ul>		sinusoidal half-wave 15g / 11 ms			
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for railway applications according to EN 61373     Category 1, Class B     P		10 500 Hz: 5g			
reference code according to IEC 81346-2 P	-				
	-	10/01/2014			

Supply voltage							
type of voltage of the supply volt	tage of the light source	e AC					
supply voltage of the light sou							
at 50 Hz rated value		110 V					
<ul> <li>at 60 Hz rated value</li> </ul>		110 V					
• at 60 Hz rated value		110 1	110 V				
relative negative tolerance of	the supply voltage	20 %					
relative positive tolerance of t	he supply voltage	20 %					
Control circuit/ Control							
inrush current maximum		3 A					
Connections/ Terminals							
type of electrical connection		other					
<ul> <li>of modules and accessorie</li> </ul>	es	Screw-t	ype terminal				
type of connectable conducto	r cross-sections		31				
<ul> <li>solid with core end proces</li> </ul>	sing	2x (0.5	2x (0.5 0.75 mm²)				
<ul> <li>solid without core end pro</li> </ul>	cessing	2x (1.0	1.5 mm²)				
<ul> <li>finely stranded with core e</li> </ul>	end processing	2x (0.5	1.5 mm²)				
<ul> <li>finely stranded without cor</li> </ul>	re end processing	2x (1,0	1,5 mm²)				
<ul> <li>at AWG cables</li> </ul>		2x (18 .	14)				
tightening torque of the screw		1 1.2					
tightening torque with screw-typ	e terminals	0.8 0	.9 N·m				
Lamp							
type of light source		LED					
color of the light source	color of the light source						
light intensity	light intensity		710 mcd				
Ambient conditions							
ambient temperature	·						
<ul> <li>during operation</li> </ul>	during operation		-25 +70 °C				
<ul> <li>during storage</li> </ul>		-40 +	°C 08				
environmental category during c	peration according to			relative air humidity of 10			
60721		condens	sation in operation	permitted for all devices	behind front panel)		
Installation/ mounting/ dimension	ons						
fastening method			ate 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 mr					
installation depth 49.7 mm							
Certificates/ approvals			_				
General Product Approval					Declaration of Conformity		
Confi	rmation		$\sim$				
(SA)	(	$(\mathbf{m})$	(11)	FAL	UK		
	· · · · ·	<u> </u>		СПС			
CSA		CCC	UL				
Declaration of Test Co	rtificates Marine	e / Shipping					
Conformity	waille	, ompping					
		-		-	-		
	<u>st Certific-</u> est Report	A. C.	Llovd's	(TA)			
	Strepon	See.	Register				
		ABS	LRS	PRS	BUNIA		
EG-Konf.		765	2010		NINA		
EG-Konf.		AB3			NINO.		
EG-Konf.		765			NINA.		
EG-Konf. Marine / Shipping other		AB3			RINA		

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## Further information

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=3SU1103-6AA50-1AA0

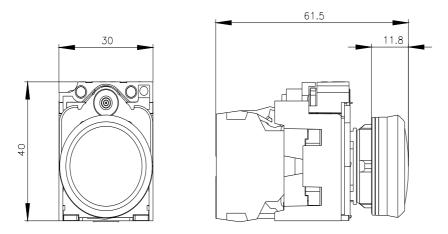
Cax online generator

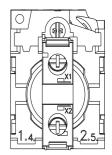
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-6AA50-1AA0

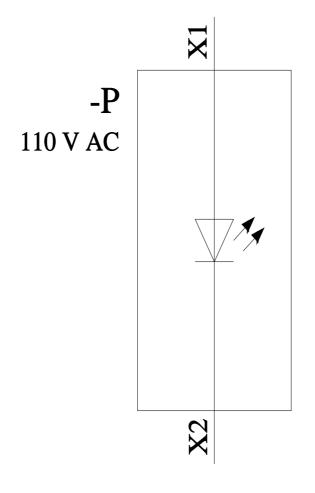
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-6AA50-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1103-6AA50-1AA0&lang=en







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