SIEMENS

Data sheet

3SU1100-0AB30-3FA0



Pushbutton, 22 mm, round, plastic, yellow, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, spring-type terminal,

product brand name SIRUS ACT product designation Pushbuttons design of the product Complete unit product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number 3SU1400-1AA10-3FA0 • of the supplied contact module at position 1 3SU1400-1AA10-3FA0 • of the supplied actuator 3SU1000-0AB30-0AA0 • of the supplied contact module at position 1 3SU1400-1AA10-3FA0 • of the supplied notifs 1 Actuator 3SU1000-0AB30-0AA0 • of the supplied notifs 1 Actuator Button, flat principle of operation of the actuating element momentary contact type product streasion optional light source No color of the actuating element plastic shape of the actuating element 29.45 mm number of contact modules 1 front ring plastic product component front ring Standard material of the front ring plastic black 0 Ceneral technical data pro		
design of the product Complete unit product type designation 35U1 product time Plastic, black, 22 mm manufacturer's article number 3SU1400-1AA10-3FA0 • of the supplied location module at position 1 3SU1400-1AA10-3FA0 • of the supplied location 3SU1500-0AB30-0AA0 • of the supplied location 3SU1500-0AB30-0AA0 • of the supplied location 1 Actuator design of the actuating element product extension optional light source No color of the actuating element plastic product extension optional light source No color of the actuating element plastic shape of the actuating element round outer diameter of the actuating element round product component front ring Yes design of the front ring Yes design of the front ring plastic tool of the front ring Yes design of the front ring Plastic Display number of LED modules 0 General technical data product function positive opening Yes product function positive opening	product brand name	SIRIUS ACT
product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number 3SU1400-1AA10-3FA0 • of the supplied contact module at position 1 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1550-0AA10-0AA0 • of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source No color of the actuating element yellow material of the actuating element plastic shape of the actuating element 29.45 mm number of contact modules 1 Front ring Yes product component front ring Yes color of the front ring black Holder Plastic material of the holder Plastic product component front ring black Holder Plastic material of the holder Plastic product function positive opening Yes product component light source	product designation	Pushbuttons
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Actuator Button, flat principle of operation of the actuating element momentary contact type product extension optional light source No color of the actuating element yellow material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm number of contact modules 1 Front ring Yes design of the front ring plastic color of the front ring plastic ologenal technical data product function positive opening product function positive opening Yes product omponent light source No insulation voltage rated value 500 V degree of pollution 3	 of the supplied actuator 	<u>3SU1000-0AB30-0AA0</u>
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outer diameter of the actuating element29.45 mmnumber of contact modules1Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackHolderMaterial of the holdermaterial of the holderPlasticDisplay0General technical dataproduct function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, SR, 4, 4X, 12, 13	material of the actuating element	plastic
number of contact modules 1 Front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black Holder material of the holder Plastic Plastic Display 0 General technical data 0 groduct function positive opening Yes product function positive opening Yes product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	shape of the actuating element	round
Front ring Yes product component front ring Standard material of the front ring plastic color of the front ring black Holder Plastic material of the holder Plastic Display 0 General technical data 0 general technical data No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage resistance rated value 6 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	outer diameter of the actuating element	29.45 mm
product component front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black Holder Black material of the holder Plastic Display 0 General technical data 0 product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	number of contact modules	1
design of the front ring Standard material of the front ring plastic color of the front ring black Holder Plastic material of the holder Plastic Display 0 General technical data 0 product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	Front ring	
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color of the front ring black Holder material of the holder Plastic Display 0 number of LED modules 0 General technical data 0 product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	design of the front ring	Standard
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material of the holderPlasticDisplayPlasticnumber of LED modules0General technical data0product function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black
Displaynumber of LED modules0General technical dataproduct function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	Holder	
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General technical dataproduct function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	Display	
product function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	number of LED modules	0
product component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	General technical data	
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degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	product component light source	No
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 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	insulation voltage rated value	500 V
surge voltage resistance rated value 6 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	degree of pollution	3
protection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	type of voltage of the operating voltage	AC/DC
• of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	surge voltage resistance rated value	6 kV
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	protection class IP	IP66, IP67, IP69(IP69K)
	of the terminal	IP20
shock resistance	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			
operating frequency maximum	3 600 1/h			
mechanical service life (switching cycles) typical	10 000 000			
electrical endurance (switching 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)			
Auxiliary circuit				
design of the contact of auxiliary contacts	Silver alloy			
number of NC contacts for auxiliary contacts	1			
number of NO contacts for auxiliary contacts	1			
Connections/ Terminals				
type of electrical connection	spring-loaded terminals			
of modules and accessories	Spring-type terminal			
type of connectable conductor cross-sections	- Spring-type terminal			
solid without core end processing	$2v (0.25 \pm 1.5 \text{ mm}^2)$			
	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)			
 finely stranded with core end processing finely stranded without core and processing 				
 finely stranded without core end processing at AWG cables 	2x (0.25 1.5 mm ²)			
	2x (24 16) 1 1.2 N·m			
tightening torque of the screws in the bracket	1 1.2 N'III			
Ambient conditions				
ambient temperature				
during operation	-25 +70 °C			
during storage	-40 +80 °C			
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)			
	condensation in operation permitted for all devices benind from paner)			
Installation/ mounting/ dimensions				
fastening method	front plate mounting			
of modules and accessories	Front plate mounting			
height	40 mm			
width	30 mm			
shape of the installation opening	round			
mounting diameter	22.3 mm			
positive tolerance of installation diameter	0.4 mm			
mounting height	11 mm			
installation width	29.5 mm			
installation depth	71.7 mm			
Certificates/ approvals				
General Product Approval Declaration of Conformity				

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Declaration of Conformity	Test Certificates		Marine / Shipping				
CE EG-Konf.	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyd's Register urs	PRS		
Marine / Shipping		other					
RINA	RMRS	<u>Confirmation</u>	Environmental Con- firmations				
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=3SU1100-0AB30-3FA0							
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB30-3FA0							
	lanuals, Certificates, C ry.siemens.com/cs/ww/e						

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB30-3FA0&lang=en

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