SIEMENS

Data sheet



Illuminated pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, lower case

product designation design of the product product type designation product type designation product type designation annifacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 1 • of supplied LED module • of the supplied oblight oblight of the supplied oblight o	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied holder • of the supplied actuator number of command points 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 outer diameter of the actuating element marking of the actuating element could mark to the actuating element marking of the actuating element couter diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring Metal, nigh gloss silver Holder 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 rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	product designation	Illuminated pushbuttons
product line manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator assundation of the supplied actuator of the supplied actuator assundation of the supplied actuator 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 parking of the actuating element shape of the actuating element outer diameter of the actuating element narking of the actuating element cush of the actuating element product diameter of the actuating element cush outer diameter of the actuating element product component front ring design of the front ring material of the holder Display number of LED modules 1 Seneral technical data product component light source Yes insulation voltage rated value 320 V degree of pollution type of voltage rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	design of the product	Complete unit
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of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator asutosto-oAA10-oAA0 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 outer diameter of the actuating element product component front ring design of the front ring standard material of the front ring silver Holder material of the holder Display number of LED modules 1 General technical data product tunction positive opening product component light source insulation voltage rated value 320 V degree of pollution 4 kV protection class IP IP66, IP67, IP69(IP69K)	product line	Metal, shiny, 22 mm
of supplied LED module of the supplied holder of the supplied actuator number of command points 1 Actuator design of the actuating element	manufacturer's article number	
of the supplied actuator of the supplied actuator asulosin-oaalo of the supplied actuator asulosin-oaalo asulo	 of supplied contact module at position 1 	3SU1400-1AA10-1BA0
of the supplied actuator number of command points Actuator design of the actuating element	 of supplied LED module 	3SU1401-1BC40-1AA0
number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source Color of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element outer diameter of the actuating element couter diameter of the actuating element product component front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring product of the front ring product component for the front ring material of the holder Display number of LED modules 1 General technical data 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 protection class IP If yes Interval in the product control of the portating voltage protection class IP If Ple6, IP67, IP69(IP69K)	 of the supplied holder 	3SU1550-0AA10-0AA0
Actuator Button, flat principle of operation of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring Yes design of the front ring Standard Metal, high gloss color of the front ring Metal, high gloss color of the front ring silver 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)	of the supplied actuator	3SU1051-0AB40-0AA0
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principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element round outer diameter of the actuating element outer diameter of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring whetal, high gloss color of the front ring whetal, high gloss color of the front ring Holder material of the holder Plastic Display number of LED modules 1 General technical data 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 mentary contact type yes color of the actuating element green green green green green yes cound green green green green yes cound green	Actuator	
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color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring silver Holder material of the holder Display number of LED modules 1 General technical data product component light source insulation voltage rated value 320 V degree of pollution surge voltage resistance rated value 4 kV protection class IP I general technical surge surge voltage resistance rated value 4 kV protection class IP	principle of operation of the actuating element	momentary contact type
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outer diameter of the actuating element marking of the actuating element number of contact modules Front ring product component front ring design of the front ring Metal, high gloss color of the front ring material of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value 4 kV protection class IP Customized labeling, text in lower case letters Lustomized labeling, text in lower case letters 1 Customized labeling, text in lower case letters 1 Lesson in lower case letters 1 Customized labeling, text in lower case letters 1 Front ring Yes silver Holder Metal, high gloss silver Holder Plastic Display No Plastic Display No Seneral technical data product function positive opening No Actual case and actual selecters Actual case and actual	material of the actuating element	plastic
marking of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring material of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP Landard Customized labeling, text in lower case letters 1 Neat contact in lower case letters 1 Front ring Yes 1 Standard Metal, high gloss silver Plastic Display 1 Ceneral technical data product component light source yes insulation voltage rated value 4 kV Protection class IP	shape of the actuating element	round
number of contact modules 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 silver Holder 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)	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 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 type of voltage of the operating voltage surge voltage resistance rated value protection class IP Pess Standard Metal, high gloss Silver No Silver No Source 1 Source Yes Insulation voltage rated value 320 V Source Surge voltage of the operating voltage AC/DC Surge voltage resistance rated value Protection class IP	marking of the actuating element	Customized labeling, text in lower case letters
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design of the front ring material of the front ring material of the front ring material of the front ring Holder material of the holder Plastic Display number of LED modules front function positive opening product function positive opening product component light source insulation voltage rated value degree of pollution surge voltage of the operating voltage surge voltage resistance rated value protection class IP Standard Metal, high gloss Metal, high gloss silver Plastic Plastic No No Plastic No 1 General technical data yroduct function positive opening No 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 Protection class IP	Front ring	
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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 insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value AC/DC surge voltage IP66, IP67, IP69(IP69K)	design of the front ring	Standard
Holder material of the holder Plastic Display number of LED modules 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 No AC/DC 4 kV Protection class IP	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 3 type of voltage of the operating voltage surge voltage resistance rated value protection class IP Plastic Plastic Plastic Plastic AC/DC Yes 320 V AC/DC 4 kV Protection class IP	color of the front ring	silver
Display number of LED modules 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 AC/DC surge voltage resistance rated value protection class IP 1 1 1 1 1 1 1 1 1 1 1 1 1	Holder	
number of LED modules 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 1 No Yes 320 V 4 AC/DC Surge voltage resistance rated value 4 kV Protection class IP	material of the holder	Plastic
product function positive opening product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value 4 kV protection class IP No Yes 320 V AC/DC 4 kV	Display	
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 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 type of voltage of the operating voltage surge voltage resistance rated value protection class IP 320 V AC/DC 4 kV IP66, IP67, IP69(IP69K)	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 (switching cycles) typical	3 000 000
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)
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	110 V
at 60 Hz rated value	110 V
Control circuit/ Control	
inrush current of LED module maximum	3 A
Auxiliary circuit	
	Silver alloy
design of the contact of auxiliary contacts	Silver alloy
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	0
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	0 1
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories	0 1
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections osolid with core end processing	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 0x (1,0 1,5 mm²)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 0x (1,0 1,5 mm²)
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 mcd
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 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)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED green 900 1 800 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

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	49.7 mm
Certificates/ approvals	
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=3SU1153-0AB40-1BA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB40-1BA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB40-1BA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1153-0AB40-1BA0-Z Y12&lang=en

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