## SIEMENS

## Data sheet

## 3SU1102-0AB70-3FA0-Z Y11



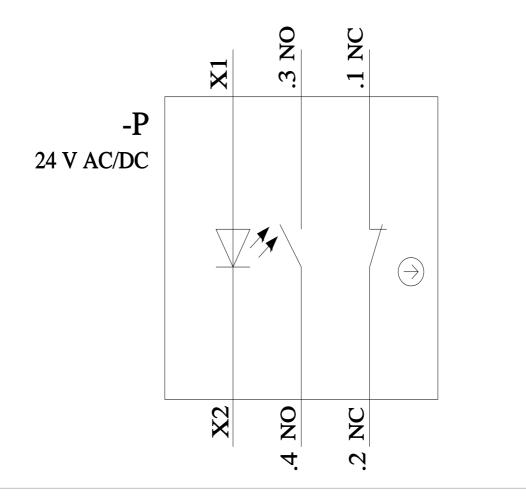
Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, spring-type terminal, with laser labeling, upper case

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-3FA0</u>
<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BB60-3AA0</u>
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1001-0AB70-0AA0</u>
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	clear
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.45 mm
marking of the actuating element	Customized labeling, text in capital letters
number of contact modules	1
Front ring	
product component 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
Display	
number of LED modules	1
General technical data	
product function positive opening	Yes
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 lass IP         IPEG. IPEG. (PEG) (PEG)           eiger of protection NEAA rating         IPEG           eiger adap spielabline according to EN 61373         Category 1. Cless B           eiger adap spielabline according to EN 61373         Category 1. Cless B           eiger adap ratio resistance         IPEG           eiger adap ratio rati rati ratio ratio ratio ratio rati rati ratio ratio rati		
egge of protection NEMA rating         1, 2, 3, 3, R, 4, 4X, 12, 13           shock resistance         sinuscidal half-were 15g / 11 ms           e.cording to IEC 60063-2-27         chapori, 1, Class B           e.cording to IEC 60063-2-47         Chapori, 1, Class B           e.cording splattations according to EN 19173         Chapori, 1, Class B           operating frequency maximum         3600 1/h           mechanical service III of operating cycles) typical         1000 000           detertion uncurrent of the C characteristice MCB         10 A, for a short-crud turenet smaller than 400 A           continuous current of the C characteristice MCB         10 A, for a short-crud turenet smaller than 400 A           continuous current of the OLADED fues link §         5 500 V           e at O th rando value         5 500 V           e at O th rando value         5 500 V           e at O the rando value         5 500 V           port of the lipit source at AC         5 500 V           e at O the rando value         5 500 V           source condition of the IDI to the one link §         5500 V           Supor of to	protection class IP	IP66, IP67, IP69(IP69K)
shek resistance         sinuxxial half wave 15g / 11 ms           • for raiway applications according to EN 61573         Category 1, Class B           vibration resistance         10 500 Hz: 5g           • is cording to ES 6068-2.4         10 500 Hz: 5g           • is cording to ES 6068-2.4         10 500 Hz: 5g           • is cording to ES 6068-2.4         10 500 Hz: 5g           • or raiway applications according to EN 11573         Category 1, Class B           operating requery maximum         3 600 000           mechanical service life (porenting cycles) typical         10 00000           telentical endmatic (posetting cycles) typical         10 0000           continuous current of the Qich DALED fuse link 10         10 A           reference code according to IEC 1042ED fuse link 100         10 A           substance Prohibitance (Dato)         100/2014           operating voltage         5 500 V           at 0 1/r rated value         5 500 V           ortatat relabality	<ul> <li>of the terminal</li> </ul>	IP20
• According to EC 5008-227insuadal halfwave 16y 11 ms• According to EC 5008-228Category 1. Class B• According to EC 5008-240.500 1/r.5• According to EC 5008-24Category 1. Class B• According to EC 5008-240.500 1/r.5• According to EC 51345-25.500 1/r.5• - Al 50 1/r.1640 value5500 1/r.5• Al 50 1/r.1640 value5500 1/r.5•	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• for miles' applications according to EN 01373         Category 1, Class B           • is cording to EC 0006-2.4         0500 Hz: 5g           • for miles' applications according to EN 01373         Category 1, Class B           operating frequency maximum         3 000 1h           mechanical service life (operating cycles) typical         3 000 000           identified indications (parenting cycles) typical         3 000 000           identified indications (parenting cycles) typical         10 A           reference code according to IEC 0134-8-2         S           continuous current of the Characteristic MCB         10 A           continuous current of the Characteristic MCB         100 A           Substance Prohibitance (Dats)         1001 Z014           operating or Valage	shock resistance	
where restance         0500 Hz: 5g.           • eccording to EE 6068-26         10500 Hz: 5g.           • for raikwy spylications according to EN 61373         Category 1, Class B           operating frequency maximum         3 800 1/h           mechanical evence life (operating cycles) typical         10 000 000           electrical endurance (operating cycles) typical         10 000 000           electrical endurance (operating cycles) typical         10 0.00 000           reference code according to EE 61346-2         S           continuous current of the QuAzED fuse link         10 A           Substance Prohibitance (Date)         10.01/2014           operating voltage         5500 V           - at 50 1/z rated value         24.V	<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
• for national papel deations according to EN 81373         Category 1. Class B           • for national papel papel         Category 1. Class B           • der national service life (operating cycles) typical         3000 000           • decinal envice life (operating cycles) typical         10 A           • decinal envice life (operating cycles) typical         10 A           • decinal envice of operating cycles) typical         10 A           • decinal envice of the DIAZED forse link (B         10 A           • continuous current of the Characteristic MCB         10 A           • continuous current of the DIAZED forse link (B         10 A           • continuous current of the DIAZED forse link (B         10 A           • end for trade value         5 500 V           • - at 60 thz rated value         5 500 V           • - at 60 thz rated value         5 500 V           • - at 60 thz rated value         5 500 V           • - at 60 thz rated value         5 500 V           • at 0C trated value         5 500 V           • at 0D thz rated value         5 500 V           • at 0D thz rated value         5 500 V           • at 0D thz rated value         5 500 V           • at 0D thz rated value         5 500 V           • at 0D thz rated value         5 5	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
• or name applications according to EN 61373Calagory 1 Class Boperating frequency maximumS 000 000electrical envice infe (operating cycles) typical10 000 000electrical envice infe (operating cycles) typical10 000 000itermal current10 A Areference code according to IEC 81346-2Scontinuous current of the Characteristic MCB10 A for a short-circuit current smaller than 400 Acontinuous current of the DAZED fuse link gG10 Acontinuous current of the DAZED fuse link gG10 Aoperating voltage at 60 1k zrade value5 500 V- at 60 1k zrade value4 V- at 60 1k zrade value24 V	vibration resistance	
operating frequency maximum         3 000 1/m           mechanical service life (operating cycles) typical         3 000 000           thermal current         10 A           reference code according to EC 81346-2         S           continuous current of the Characteristic MCB         10 A           continuous current of the Quck DAZED fuse link gO         10 A           substance Prohibitance (Date)         100 1/m           operating voltage         -           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           - at 80 hz rated value         5 500 V           Supply voltage of the light source at AC         -           for that value         4.V           at 80 hz rated value         2.V           supply voltage of the light source at AC         -           octatat orated value         2.V <t< td=""><td><ul> <li>according to IEC 60068-2-6</li> </ul></td><td>10 500 Hz: 5g</td></t<>	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
mechanical anvice life (operating cycles) typical         3000 000           electrical endurance (operating cycles) typical         10 A           reference code according to IEC 81346-2         S           continuous current of the characteristu KEB         10 A, for a short-circuit current smaller han 400 A           continuous current of the quick DIAZED fuse link         10 A           continuous current of the Quick DIAZED fuse link (G)         10 A           continuous current of the Quick DIAZED fuse link (G)         10 A           continuous current of the Quick DIAZED fuse link (G)         10 A           contact value         5500 V           - at 50 Hz rated value         24 V           Supply voltage of the light source at AC         -           - at 50 Hz rated value         24 V           contract fat	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
electrical endurance (operating operaling operating operaling operaling operating oper	operating frequency maximum	3 600 1/h
Invasional current         10.A           reference code according to IEC 8184-2         S           continuous current of the QLAPAED fuse link         10.A. for a short-circuit current smaller than 400 A           continuous current of the QLAPAED fuse link (GLAPAED fuse (GLAPAED	mechanical service life (operating cycles) typical	3 000 000
reference code according to IEC 81348-2         S           continuous current of the QLAND RAZED fuse link QG         10 A for a short-circuit current smaller than 400 A           continuous current of the QLAND RAZED fuse link QG         10 A           substance Prohibitance QLAND fuse link QG         10 A           oparating voltage         5500 V           - at 50 Hz rated value         5500 V           - at 60 Hz rated value         4500 V           - at 60 Hz rated value         2500 V           - at 60 Hz rated value         2500 V           - at 60 Hz rated value         2500 V           - at 60 Hz rated value         2010           - at 60 Hz rated value	electrical endurance (operating cycles) typical	10 000 000
continuous current of the C characteristic MCB         10 A; for a short-circuit current smaller than 400 A           continuous current of the Quck DIA2ED true link G         10 A           Substance Prohibitance (Date)         1001/2014           oparating vortage         1001/2014	thermal current	10 A
continuous current of the quick DIAZED fuse link g0         10 A           continuous current of the DIAZED fuse link g0         10 A           Substance Prohibitance (Data)         100/12/14           operating voltage	reference code according to IEC 81346-2	S
continuous current of the DIAZED fuse link gG     10.A       Substance Prohibitance (Date)     1001/2014       operating voltage     10.01/2014       • at AC     - a 150 Hz rated value       - at BC Hz rated value     5 500 V       • at DC rated value     5 500 V       • at DC rated value     5 500 V       • at DC rated value     5 500 V       • out DC rated value     6 V. 1 mA)       Supply voltage of the light source at AC     600 V       • at 0 Hz rated value     24 V       • at 0 Hz rated value     24 V       • at 0 Hz rated value     24 V       • out 01 LED module maximum     2 A       Axxillary circuit        design of the contact of auxillary contacts     1       number of NC contacts for auxillary contacts     1       vipe of electrical connection     spring-loaded terminals       • of noulues and accessories     spring-loaded terminals       • of noulues and accessories     Spring-lype terminal       • type of electrical connection     spring-loaded terminals       • of noulues and accessories     Spring-lype terminal </td <td>continuous current of the C characteristic MCB</td> <td>10 A; for a short-circuit current smaller than 400 A</td>	continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Substance Prohibitance (Date)         10/01/2014           operating voltage	continuous current of the quick DIAZED fuse link	10 A
operating voltage         • at AC	continuous current of the DIAZED fuse link gG	10 A
	Substance Prohibitance (Date)	10/01/2014
	operating voltage	
	• at AC	
• at DC rated value       5 500 V         Powar Electronics       One maloperation per 100 million (17 V, 5 mA), one maloperation per 100 million (10 million	— at 50 Hz rated value	5 500 V
Power Electronics         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Supply voltage         (5 V, 1 mA)           Supply voltage of the light source at AC         AC/DC           • at 50 Hz rated value         24 V           • at 60 Hz rated value         24 V           Control circuit/ Control         24 V           Control for curvitize on the contact of auxiliary contacts         51/2           Multiary circuit         2A           design of the contact for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           of modules and accessories         Spring-loaded terminals           • of modules and accessories         Spring-loaded terminals           • for MVG cables         2k (0.25 1.5 mm²)           • finely stranded with core end processing         2k (0.25 1.5 mm²)           • finely stranded with core end processing         2k (0.25 1.5 mm²)           • for AVG cables         2k (0.25 1.5 mm²)           • for AVG	— at 60 Hz rated value	5 500 V
contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5V, 1 mA)           Supply voltage         trype of voltage of the supply voltage of the light source         AC/DC           supply voltage of the light source at AC         at 50 Hz rated value         24 V           at 50 Hz rated value         24 V         24 V           Supply voltage 1 of the light source at DC rated value         24 V           Control Circuit/ Control         Inrush current of LED module maximum         2 A           Axiliary circuit         design of the contact of auxiliary contacts         1           number of NC contacts for auxiliary contacts         1         1           number of NC contacts for auxiliary contacts         1         1           of modules and accessories         Spring-loaded terminals         5	at DC rated value	5 500 V
Supply voltage       (5 V, 1 mÅ)         Supply voltage of the supply voltage of the light source       AC/DC         supply voltage of the light source at AC       4 V         • at 50 Hz rated value       24 V         supply voltage 1 of the light source at DC rated value       24 V         supply voltage 1 of the light source at DC rated value       24 V         Supply voltage 1 of the light source at DC rated value       24 V         Control Circuit Control       2A         Auxiliary circuit       2A         design of the contact of auxiliary contacts       1         number of NC contacts for auxiliary contacts       1         number of NC contacts for auxiliary contacts       1         of module and accessories       Spring-loaded terminals         vipe of electrical connection       spring-loaded terminals         of modules and accessories       Spring-loaded terminals         vipe of connectable conductor cross-sections       2x (0.25 1.5 mm²)         • finely stranded with ource end processing       2x (02.5 1.5 mm²)         • finely stranded with ource end processing       2x (0.25 1.5 mm²)         • for AWC cables       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N m         Lamp       400 mcd	Power Electronics	
Supply voltage         AC/DC           supply voltage of the light source at AC         -           • at 50 Hz rated value         24 V           • at 60 Hz rated value         24 V           supply voltage 1 of the light source at DC rated value         24 V           Control circuit// Control         24 V           Inrush current of LED module maximum         2A           Auxiliary circuit         -           design of the contact of auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           Connecticutes/ Control insultary contacts         1           Connections/ Torminals         -           type of electrical connection         spring-loaded terminals           • of modules and accessories         Spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of electrical connection         spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of electrical conductor cross-sections         - solid without core end processing           • finely stranded without core end processing         2x (0.25 1.5 mm <sup>2</sup> )           • finely strande withour core end processing         2x (2.25 1.5 mm <sup>2</sup> )           • for AWG cables         2 (2.4 16) </td <td>contact reliability</td> <td></td>	contact reliability	
type of voltage of the supply voltage of the light source         AC/DC           supply voltage of the light source at AC         • at 50 Hz rated value         24 V           • at 60 Hz rated value         24 V           supply voltage 1 of the light source at DC rated value         24 V           Supply voltage 1 of the light source at DC rated value         24 V           Control circuit Control         1           Imrush current of LED module maximum         2A           Auxiliary circuit         1           design of the contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           of modules and accessories         spring-loaded terminals           • of modules and accessories         spring-loaded terminals           • of modules and accessories         spring-lype terminal           type of electrical connectable conductor cross-sections         • solid without core end processing           • finely stranded with core end processing         2x (0.25 1.5 mm <sup>2</sup> )           • finely stranded without core end processing         2x (24 16)           tightening torque of the screws in the bracket         1 1.2 N:m           Lamp         type of ight source         while           uping torque of the screws in the bracket         1 1.2 N:m <t< td=""><td></td><td>(5 V, 1 mA)</td></t<>		(5 V, 1 mA)
supply voltage of the light source at AC       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         supply voltage of the light source at DC rated value       24 V         Control circuit/ Control       24 V         Control circuit/ Control       2A         Auxiliary circuit       2A         design of the contact of auxiliary contacts       Silver alloy         number of NC contacts for auxiliary contacts       1         number of NC contacts for auxiliary contacts       1         Connections/ Terminals       spring-loaded terminals         • of modules and accessories       spring-loaded terminals         • of modules and accessories       Spring-type terminal         type of electrical connection       spring-type terminal         • of modules and accessories       Spring-type terminal         type of sing stranded without core end processing       2x (0.25 1.5 mm <sup>2</sup> )         • finely stranded without core end processing       2x (0.25 1.5 mm <sup>2</sup> )         • for AWG cables       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 Nm         Lamp       untide source       untide source         • during operation       -25 +70 °C         • during operation		
• at 50 Hz rated value     24 V       • at 50 Hz rated value     24 V       supply voltage 1 of the light source at DC rated value     24 V       Control Circuit// Control     2A       design of the contact of auxiliary contacts     Silver alloy       number of NC contacts for auxiliary contacts     1       number of NC contacts for auxiliary contacts     1       Connections/ Torminals     1       type of electrical connection     spring-loaded terminals       • of modules and accessories     Spring-loaded terminal       type of connectable conductor cross-sections     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 0.75 m <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 0.75 m <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (0.25 1.5 mm <sup>3</sup> )       • finely stranded without core end processing     2x (24 16) </td <td></td> <td>AC/DC</td>		AC/DC
• at 60 Hz rated value     24 V       supply voltage 1 of the light source at DC rated value     24 V       Control circuit/ Control     2A       Auxiliary circuit     3       design of the contact of auxiliary contacts     Silver alloy       number of NC contacts for auxiliary contacts     1       number of NC contacts for auxiliary contacts     1       Connections/ Terminals     1       type of electrical connection     spring-loaded terminals       • of modules and accessories     Spring-type terminal       type of connectable conductor cross-sections     2x (0.25 1.5 mm²)       • finely stranded with core end processing     2x (0.25 1.5 mm²)       • finely stranded with core end processing     2x (2.4 16)       tightening torque of the screws in the bracket     1 1.2 N·m       Lamp     LED       color of the light source     LED       color of the light source     LED       color of the light source     1.0 mcd       Anbient conditions     40 480 °C       amblent temperature     40 480 °C       • white     40 480 °C       environmental footprint     70 °C       Environmental footprint     70 °C       Environmental footprint     400 °C       Environmental footprint     70 °C <td></td> <td></td>		
supply voltage 1 of the light source at DC rated value         24 V           Control circuit/ Control         Inrush current of LED module maximum         2.A           Auxiliary circuit         design of the contact of auxiliary contacts         Silver alloy           number of NC contacts for auxiliary contacts         1         Inrush of NC contacts for auxiliary contacts           number of NC contacts for auxiliary contacts         1         Inrush of NC contacts for auxiliary contacts           functions/Terminals         Ype of electrical connection         spring-loaded terminals           of modules and accessories         Spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of electrical connection         spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of connectable conductor cross-sections         2x (0.25 1.5 mm <sup>3</sup> )           • finely stranded with core end processing         2x (0.25 1.5 mm <sup>3</sup> )           • finely stranded with core end processing         2x (24 16)           tightening torque of the screws in the bracket         1 1.2 Nm           Lamp         Vpe of light source         LED           color of the light source         white           light intensity         900 1400 mcd           Amblent		
Control circuit/ Control       2 A         Inrush current of LED module maximum       2 A         Auxiliary circuit		
Inrush current of LED module maximum       2 A         Auxiliary circuit		24 V
Auxiliary circuit         Silver alloy           number of NC contacts for auxiliary contacts         1           number of NO contacts for auxiliary contacts         1           Connactions/ Terminals         1           type of electrical connection         spring-loaded terminals           • of modules and accessories         Spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of connectable conductor cross-sections         strong terminal           • finely stranded without core end processing         2x (0.25 1.5 mm²)           • finely stranded without core end processing         2x (2.25 0.75 mm²)           • for AWG cables         2x (24 16)           tightening torque of the screws in the bracket         1 1.2 N·m           Lamp         Lamp           type of light source         LED           color of the light source         white           light intensity         900 1 400 mcd           Ambient conditions         -40 +80 °C           environmental category during operation according to IEC         3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)           Environmental Product Declaration(EPD)         Yes           Global Warming Potential [CO2 eq] total	Control circuit/ Control	
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       1         type of electrical connection       spring-loaded terminals         • of modules and accessories       Spring-type terminal         type of connectable conductor cross-sections       solid without core end processing         • solid without core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • for AWG cables       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       LED         type of light source       LED         color of the light source       White         ilight intensity       900 1 400 mcd         Ambient conditions       -25 +70 °C         ambient temperature       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 352, 382, 3K6 (with relative air humidity of 10 95%, no condensation in 60721         Environmental footprint       -       -      <	inrush current of LED module maximum	2 A
number of NC contacts for auxiliary contacts       1         number of NO contacts for auxiliary contacts       1         Connections/ Terminals       spring-loaded terminals         type of electrical connection       spring-loaded terminals         • of modules and accessories       Spring-type terminal         type of connectable conductor cross-sections       solid without core end processing         • solid without core end processing       2x (0.25 1.5 mm²)         • finely stranded with core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       tightening torque of the screws in the bracket       1 1.2 N·m         tight intensity       900 1 400 mcd       Ambient conditions         ambient temperature       -       -       -         • during operation       -25 +70 °C       -         • during storage       -40 +80 °C       -         environmental category during operation according to IEC       SM6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in 60721 <td>Auxiliary circuit</td> <td></td>	Auxiliary circuit	
number of NO contacts for auxiliary contacts       1         Connections/ Terminals       spring-loaded terminals         type of electrical connection       spring-loaded terminals         • of modules and accessories       Spring-type terminal         type of connectable conductor cross-sections       solid without core end processing         • solid without core end processing       2x (0.25 1.5 mm²)         • finely stranded with core end processing       2x (0.25 0.75 mm²)         • finely stranded without core end processing       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       tele         tool of the light source       white         light intensity       900 1 400 mcd         Ambient conditions       -25 +70 °C         ambient temperature       -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 Foduct Declaration(EPD)       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	design of the contact of auxiliary contacts	Silver alloy
Connections/ Terminals         type of electrical connection       spring-loaded terminals         • of modules and accessories       Spring-type terminal         type of connectable conductor cross-sections       solid without core end processing         • solid without core end processing       2x (0.25 1.5 mm²)         • finely stranded with core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • for AWG cables       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       type of light source         type of light source       LED         color of the light source       LED         ight intensity       900 1 400 mcd         Ambient conditions       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       30K3 SS2, 3S2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	number of NC contacts for auxiliary contacts	1
type of electrical connection         spring-loaded terminals           • of modules and accessories         Spring-type terminal           type of connectable conductor cross-sections         -           • solid without core end processing         2x (0.25 1.5 mm²)           • finely stranded with core end processing         2x (0.25 1.5 mm²)           • finely stranded without core end processing         2x (0.25 1.5 mm²)           • for AWG cables         2x (0.25 1.5 mm²)           • for AWG cables         2x (24 16)           tightening torque of the screws in the bracket         1 1.2 N·m           Lamp         type of the light source           type of the light source         LED           color of the light source         white           light intensity         900 1 400 mcd           Ambient conditions         -25 +70 °C           • during operation         -25 +70 °C           • during storage         -40 +80 °C           environmental category during operation according to IEC         3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)           Environmental footprint         Yes           Global Warming Potential [CO2 eq] total         0.787 kg		1
o of modules and accessoriesSpring-type terminaltype of connectable conductor cross-sections• solid without core end processing2x (0.25 1.5 mm²)• finely stranded with core end processing2x (0.25 0.75 mm²)• finely stranded without core end processing2x (0.25 1.5 mm²)• for AWG cables2x (24 16)tightening torque of the screws in the bracket1 1.2 N·mLampLEDcolor of the light sourceLEDtight intensity900 1 400 mcdAmbient conditions-25 +70 °C• during operation-25 +70 °C• during storage-40 +80 °Cenvironmental category during operation according to IECMe6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)Environmental Product Declaration(EPD)YesGlobal Warming Potential [CO2 eq] total0.787 kg	Connections/ Terminals	
type of connectable conductor cross-sections       is solid without core end processing         • solid without core end processing       2x (0.25 1.5 mm²)         • finely stranded with core end processing       2x (0.25 0.75 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • finely stranded without core end processing       2x (0.25 1.5 mm²)         • for AWG cables       2x (24 16)         tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       LED         color of the light source       LED         color of the light source       White         light intensity       900 1 400 mcd         Ambient conditions       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	type of electrical connection	spring-loaded terminals
2x (0.25 1.5 mm²)• finely stranded with core end processing2x (0.25 0.75 mm²)• finely stranded without core end processing2x (0.25 1.5 mm²)• finely stranded without core end processing2x (24 16)• for AWG cables2x (24 16)• tightening torque of the screws in the bracket1 1.2 N·mLampLEDcolor of the light sourceLEDcolor of the light sourcewhitelight intensity900 1 400 mcdAmbient conditions-25 +70 °C• during operation-25 +70 °C• during storage-40 +80 °Cenvironmental category during operation according to IEC 607213M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)Environmental Product Declaration(EPD)YesGlobal Warming Potential [CO2 eq] total0.787 kg	<ul> <li>of modules and accessories</li> </ul>	Spring-type terminal
• finely stranded with core end processing $2x (0.25 0.75 mm^2)$ • finely stranded without core end processing $2x (0.25 15 mm^2)$ • for AWG cables $2x (24 16)$ • tightening torque of the screws in the bracket $1 1.2 N m$ LampLEDcolor of the light sourceLEDcolor of the light sourcewhitelight intensity900 1 400 mcdAmbient conditions-25 +70 °C• during operation-25 +70 °C• during storage-40 +80 °Cenvironmental category during operation according to IEC 607213M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)Environmental Product Declaration(EPD)YesGlobal Warming Potential [CO2 eq] total0.787 kg	type of connectable conductor cross-sections	
• finely stranded without core end processing2x (0.25 1.5 mm²)• for AWG cables2x (24 16)tightening torque of the screws in the bracket1 1.2 N·mLampLEDcolor of the light sourceLEDilight intensity900 1 400 mcdAmbient conditionsambient temperature-25 +70 °C• during operation-25 +70 °C• during storage-40 +80 °Cenvironmental category during operation according to IEC3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)Environmental Product Declaration(EPD)YesGlobal Warming Potential [CO2 eq] total0.787 kg	<ul> <li>solid without core end processing</li> </ul>	
• for AWG cables2x (24 16)tightening torque of the screws in the bracket1 1.2 N·mLampLEDtype of light sourceLEDcolor of the light sourcewhitelight intensity900 1 400 mcdAmbient conditionsambient temperature• during operation-25 +70 °C• during storage-40 +80 °Cenvironmental category during operation according to IEC 607213M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)Environmental Product Declaration(EPD)YesGlobal Warming Potential [CO2 eq] total0.787 kg	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 0.75 mm²)
tightening torque of the screws in the bracket       1 1.2 N·m         Lamp       type of light source       LED         color of the light source       white         light intensity       900 1 400 mcd         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, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Environmental Product Declaration(EPD)       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm²)
Lamp         type of light source       LED         color of the light source       white         light intensity       900 1 400 mcd         Ambient conditions       ambient temperature         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	<ul> <li>for AWG cables</li> </ul>	2x (24 16)
type of light source       LED         color of the light source       white         light intensity       900 1 400 mcd         Ambient conditions         ambient temperature         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg		
color of the light source       white         light intensity       900 1 400 mcd         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, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental Footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	tightening torque of the screws in the bracket	
light intensity       900 1 400 mcd         Ambient conditions       400 mcd         ambient temperature       -25 +70 °C         • during operation       -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       Yes         Global Warming Potential [CO2 eq] total       0.787 kg		
Ambient conditions         ambient temperature         • during operation         • during storage         • during storage <td>Lamp</td> <td>1 1.2 N·m</td>	Lamp	1 1.2 N·m
ambient temperature       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	Lamp type of light source	1 1.2 N·m
• during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Environmental footprint       Yes         Global Warming Potential [CO2 eq] total       0.787 kg	Lamp type of light source color of the light source light intensity	1 1.2 N·m LED white
• 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     Yes       Global Warming Potential [CO2 eq] total     0.787 kg	Lamp type of light source color of the light source light intensity	1 1.2 N·m LED white
environmental category during operation according to IEC       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)         Global Warming Potential [CO2 eq] total       0.787 kg	Lamp type of light source color of the light source light intensity Ambient conditions	1 1.2 N·m LED white
60721     operation permitted for all devices behind front panel)       Environmental footprint	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature	1 1.2 N·m LED white 900 1 400 mcd
Environmental footprint       Environmental Product Declaration(EPD)     Yes       Global Warming Potential [CO2 eq] total     0.787 kg	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation	1 1.2 N·m LED white 900 1 400 mcd -25 +70 °C
Environmental Product Declaration(EPD)     Yes       Global Warming Potential [CO2 eq] total     0.787 kg	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	1 1.2 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
Global Warming Potential [CO2 eq] total 0.787 kg	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721	1 1.2 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint	1 1.2 N·m         LED         white         900 1 400 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)
Global Warming Potential [CO2 eq] during manufacturing 0.566 kg	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD)	1 1.2 N·m         LED         white         900 1 400 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)         Yes
	Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	1 1.2 N·m         LED         white         900 1 400 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)         Yes         0.787 kg

<b>Global Warming Potential</b>	[CO2 eq] during operation	0.023	5 kg			
Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life			0.235 kg			
Siemens Eco Profile (SEP)			-0.015 kg Siemens EcoTech			
istallation/ mounting/ din	,	Oldin				
	nensions	front	plate mounting			
fastening method • of modules and accessories			front plate mounting			
or modules and accessories			Front plate mounting 40 mm			
width			40 mm 30 mm			
shape of the installation opening						
mounting diameter			round 22.3 mm			
positive tolerance of installation diameter		0.4 r				
mounting height		11 m	m			
installation width		29.5	mm			
installation depth		71.7	mm			
pprovals Certificates						
General Product Approv	val			Test Certificates		
(SP)	<u>Confirmation</u>		EAC	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	
Marine / Shipping				other	Environment	
Marine / Shipping	Lloyd's Register uis	PRS	RINA	other Confirmation	Environment	
Marine / Shipping	Lloyds Register uis	PRS	RINA		Environment	
ABS	Llovers Register uts	PRS	RINA		Environment	
ABS Environment Siemens EcoTech		PRS	RINA		<b>Environment</b>	
Environment Siemens EcoTech urther information Information on the packa https://support.industry.sie	aging emens.com/cs/ww/en/vie		<b>RNA</b>		<b>Environment</b>	
ABS Environment Siemens EcoTech urther information Information on the packa	aging emens.com/cs/ww/en/vie padcenter (Catalogs, B		<b>RINA</b>		<b>Environment</b>	
Environment Siemens EcoTech Information on the packs https://support.industry.sie Information - and Downlo	aging emens.com/cs/ww/en/vie padcenter (Catalogs, Br /ic10 dering system)	rochures,)	ENA 102-0AB70-3FA0-Z Y11	Confirmation	Environment	

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB70-3FA0-Z Y11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-0AB70-3FA0-Z Y11&lang=en



last modified:

3/2/2024 🖸

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

A6X30141898