SIEMENS

Data sheet   **3SU1051-0BB30-0AA0-Z Y10**

Illuminated pushbutton, 22 mm, round, metal, shiny, yellow, pushbutton, raised, momentary contact type, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	Raised button
principle of operation of the actuating element	momentary contact type
product extension optional	
● light source	Yes
● contact module	Yes
color of the actuating element	yellow
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.5 mm
marking of the actuating element	Customized labeling, text in lower case/capital letters, all lines start with capital letter
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
General technical data	
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
● according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
● according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Net Weight	0.022 kg
Safety related data	
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %

● with high demand rate per NC contact according to SN 31920	20 %
● with high demand rate per NO contact according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	3 000 000
failure rate [FIT] with low demand rate per NC contact according to SN 31920	100 FIT
IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a

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%)

Installation/ mounting/ dimensions

height	29.5 mm
width	29.5 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	16.2 mm
installation width	29.5 mm
installation depth	24.3 mm

Approvals Certificates

Environmental Product Declaration	
● global warming potential [CO_2 eq] / during manufacturing	0.625 kg
● global warming potential [CO_2 eq] / during operation	0.235 kg
● global warming potential [CO_2 eq] / after end of life	-0.267 kg
● global warming potential [CO_2 eq] / total	0.593 kg

Environment	General Product Approval

EPD   Siemens EcoTech   Environmental Confirmations   CE EG-Konf.   UKCA   c(UL)us

General Product Approval	Test Certificates	Maritime application

EAC   Type Test Certificates/Test Report   Special Test Certificate   BUREAU VERITAS   Lloyd's Register LRS   PRS

Maritime application	other

RINA   Confirmation   产品合格 QC PASS

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3SU1051-0BB30-0AA0-Z Y10
Cax online generator

https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-0BB30-0AA0-Z Y10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-0BB30-0AA0-Z Y10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-0BB30-0AA0-Z Y10&lang=en

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