## SIEMENS

## Data sheet

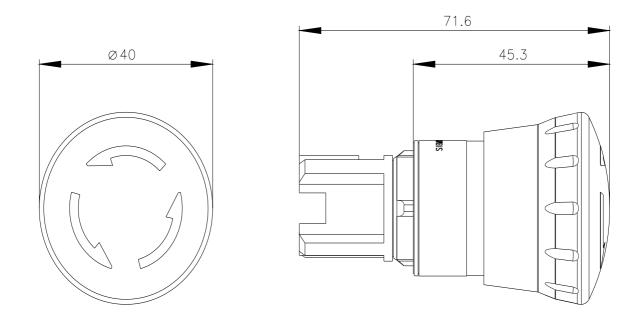
## 3SU1000-1HB50-0AA0



Mushroom pushbutton, 22 mm, round, plastic, blue, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch

product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic, black, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	positive latching
principle of operation of the actuating element	latching
product extension optional light source	No
color of the actuating element	blue
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	40 mm
type of unlocking device	rotate-to-unlatch mechanism
number of switching positions	2
Front ring	
product component front ring	No
design of the front ring	without
General technical data	
product function	
<ul> <li>EMERGENCY OFF function</li> </ul>	No
EMERGENCY STOP function	No
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
operating frequency maximum	600 1/h
mechanical service life (operating cycles) typical	300 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Safety related data	
proportion of dangerous failures	
<ul> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>	20 %

	low domand rate accord	ing to SN	100 FIT			
31920	low demand rate accord	ing to SN	100 FT			
B10 value with high demand rate according to SN 31920			100 000			
EC 62061						
T1 value for proof tes IEC 61508	t interval or service life a	according to	20 a			
mbient conditions						
ambient temperature						
during operation			-25 +70 °C			
during storage			-40 +80 °C			
environmental category 60721	y during operation accordi	ng to IEC	3M6, 3S2, 3B2, 3C3,	3K6 (with relative a	ir humidity of 10	) 95%)
nstallation/ mounting/	dimensions					
height			40 mm			
width			40 mm			
shape of the installati	ion opening		round			
mounting diameter			22.3 mm			
positive tolerance of	installation diameter		0.4 mm			
mounting height			45.3 mm			
installation width			40 mm			
installation depth			26.3 mm			
pprovals Certificates						
General Product App	proval					Declaration of Con- formity
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