# **SIEMENS**

Product data sheet 3SB3500-1HA20



22MM METAL ROUND ACTUATOR: EMERGEN.-STOP MUSHR.PUSHB. 40MM LATCH.W. ROT.-TO-UNLATCH MECH. WITH HOLDER RED

Actuator / signaling device:				
Design of the product		Single device round with positive latching in accordance with ISO 13850		
Design of the operating mechanism		Emergency stop mushroom pushbutton		
External diameter / of the activation element	mm	40		
Type of unlocking device		rotate-to-unlatch mechanism		
Color / of the activation element		Red		
Material / of the activation element		plastic		
Number of switching positions		2		
Product component / front ring		No		
Product function / EMERGENCY STOP function		Yes		

Material / of the holder		Metal			
General technical details:					
Resistance against shock					
<ul> <li>for devices without incandescent lamp / according to IEC 60068- 2-27</li> </ul>		<= 50g			
Resistance against vibration / according to IEC 60068-2-6		20 200 Hz: 5g			
Operating cycles / maximum	1/h	1,000			
Mechanical operating cycles as operating time / typical		300,000			

Product extension / optional / fluorescent materials		No
Item designation		
• according to DIN EN 61346-2		S
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		S
Tightening torque / of the screws in the bracket / maximum	N⋅m	1
Ambient temperature		
during operating	°C	-25 +70
during storage	°C	-40 +80
Protection class IP		IP67
B10 value / with high demand rate / according to SN 31920		100,000
Proportion of dangerous failures		
with high demand rate / according to SN 31920	%	20
with low demand rate / according to SN 31920	%	20
Failure rate (FIT value) / with low demand rate / according to SN 31920	FIT	100
T1 value / for proof test interval or service life / according to IEC 61508	а	20
climatic class / during the operating phase / according to EN 60721		3K6
Type of mounting		front mounting
Shape / of the installation hole		round
Installation width	mm	40.5
Mounting diameter	mm	22
Mounting height	mm	49
Mounting depth	mm	29

# Certificates/approvals:

## **General Product Approval**







Special Test Certificate

## **Shipping Approval**











#### other

Confirmation

other

Environmental Confirmations

#### Further information:

#### Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

#### Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

#### Cax online generator:

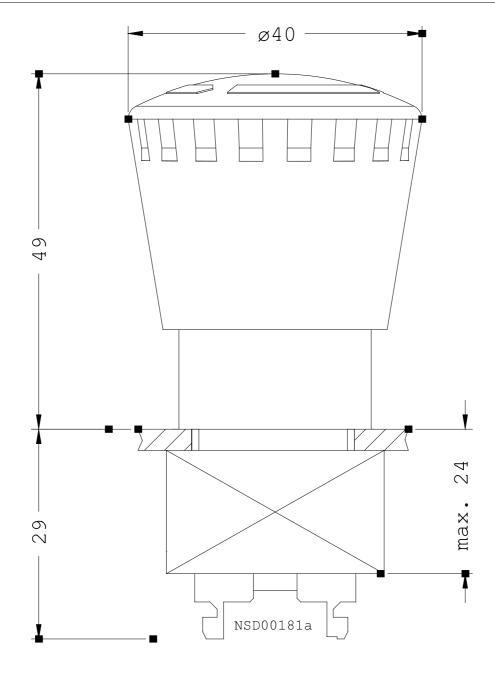
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3SB3500-1HA20/all

#### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SB3500-1HA20



last change: Jan 21, 2013