

PUSHBUTTON IN AS-I ENCLOSURE, METALLIC DESIGN, CUSTOMER-SPEC. C=BLANKING PLUG BLACK, B=ILLUMINATED PUSHBUTTON, YELLOW, 1NO A=EMERGENCY STOP PULL-TO-RELEASE LABELS GER/ENG PACKED SEPARATELY; SOLVENT-RESISTANT

Enclosure:	
Design of the housing	AS-Interface enclosure with standard equipment
Shape of the enclosure front	rectangular
Material of the enclosure	metal
Number of command points	3
Product component	
• protective collar	No
Color	
• of top part of the enclosure	grey
Delivery state	
• pre-wired on strip terminal	Yes
Mounting type of the enclosure	Vertical
Actuator:	
Design of the operating mechanism	Emergency stop mushroom pushbutton / illuminated pushbutton / dummy plug
Product extension optional Light source	Yes
Color	
• of the actuating element	A = red / B = yellow
Material of the actuating element	plastic
Type of unlocking device	rotate-to-unlatch mechanism
Front ring:	
Product component front ring	Yes
Material of the front ring	metal
Color of the front ring	silver
Holder:	
Material of the holder	Metal
Contact block/ lampholder:	
Mounting type	integrated LED
Number of lampholders	1
Number of switching elements	2
General technical data:	
Product function	

• positive opening	Yes
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
Product component	
• Light source	Yes
Type of voltage	
• of the operating voltage	DC
Protection class IP	IP67
Vibration resistance	
• acc. to IEC 60068-2-6	20 ... 200 Hz: 5g
Equipment marking	
• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	S
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S
Operating voltage	
• at DC	
— rated value	26.5 ... 31.5 V
Operating voltage 1	
• at DC rated value	30 V

Supply voltage:

Type of voltage of the supply voltage	
• of the light source	AC/DC

Auxiliary circuit:

Number of NC contacts	
• for auxiliary contacts	1
Number of NO contacts	
• for auxiliary contacts	1
Number of CO contacts	
• for auxiliary contacts	0

Connections/ Terminals:

Type of electrical connection on enclosure	Cable gland, top
Tightening torque of the screws in the bracket	1.4 ... 1.6 N·m

Safety related data:

B10 value	
• with high demand rate acc. to SN 31920	100 000
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
Failure rate [FIT]	
• with low demand rate acc. to SN 31920	100 FIT

T1 value for proof test interval or service life acc. to IEC 61508		20 y
Ambient conditions:		
Ambient temperature		
• during operation		-25 ... +70 °C
• during storage		-40 ... +80 °C
Installation/ mounting/ dimensions:		
Mounting type		
• of contact blocks, socket, and accessories		Floor mounting
• of AS-i slaves		Floor mounting
Height		154 mm
Width		85 mm
Depth		65 mm
Shape of the installation opening		round
Mounting diameter		22 mm
Measuring circuit:		
Product function		miscellaneous
Accessories:		
Number of labels		3
Color of the label		Black
Number of backing plates		0
Certificates/approvals		
General Product Approval		Functional Safety/Safety of Machinery
		other
 TUV		
 ASI		
		
Further information		
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs		
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SF5813-2DD20		
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF5813-2DD20		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SF5813-2DD20		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF5813-2DD20&lang=en		
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