



Mushroom-head pushbutton



Emergency-Stop pushbutton

Technical data

Mushroom-head pushbutton (Emergency stop and normal version)

	Complete certificate ¹⁾	Component certificate
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T6	II 2 G Ex de IIC/IIB Gb I M2 Ex de I Mb
EC-Type Examination Certificate	PTB 99 ATEX 1034	IBExU 14 ATEX 1030 U
IECEX Certificate of Conformity		IECEX IBE 14.0005 U
Marking accd. to IECEx		Ex de IIC/IIB Gb Ex de I Mb
Operating temperature range	-55 °C up to + 80 °C	-45 °C up to +80 °C (IIC) -60 °C up to +80 °C (IIB)
Permissible ambient temperature	-25 °C up to + 50 °C	
Application temperature ²⁾		-45 °C up to +55 °C (IIC) -60 °C up to +55 °C (IIB)
Rated voltage	400 V AC	500 V AC
Rated current	16 A	16 A
Rated current with gold contact points	0.4 A	0.4 A
Rated making-/rated breaking capacity accd. EN 60947-5-1	AC-15: U _b 250 V / I _b 6 A U _b 400 V / I _b 4 A DC-13: U _b 24 V / I _b 6 A U _b 220 V / I _b 1 A	AC-15: U _b 250 V / I _b 6 A U _b 500 V / I _b 4 A DC-13: U _b 24 V / I _b 6 A U _b 220 V / I _b 1 A
Connecting terminals	2 x 2.5 mm ²	2 x 2.5 mm ²
Degree of protection accd. to EN 60529	IP661)	IP00
Dimensions (L x W x H)	approx. 156 x 38 x 67 mm	approx. 139 x 38 x 57 mm
Weight	0.30 kg	0.25 kg
Cable gland	M25x1.5 Ø 6 - 15 mm	--
Type of mounting	Ø 30.3 mm fixing hole	Ø 30.3 mm fixing hole
Enclosure colour	grey	grey
Gasket material	Neoprene (standard), Fluoric Silicone or Viton on request	

¹⁾ with protective cover IP66

²⁾ The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.4.34/35.

Ex-mushroom-head pushbutton for panel mounting



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4 Ordering code for components Code A - B - C - D - E

Code A B C D E
 Order No. GHG 418 815 _ R - - -

Code	Component	Code			
A	Mushroom-head pushbutton	GHG 418 815			
Code	Circuit	Contacts manual	Code key released	silver contact points	gold contact points
B	2 NC			3	6
	2 NO			4	7
	1 NO + 1 NC			5	8
Code	Mushroom-head pushbutton inscription and colour	Code			
C	emergency stop EMERGENCY STOP (German - English) ¹⁾	1			
	emergency stop ARRET D'URGENCE (German - French) ¹⁾	4			
	red	1			
	yellow ¹⁾	2			
	black ²⁾	3			
Code	released	engaged	unlocking	Code	
D	not lockable	not lockable	n/a (pushbutton function)	1 ²⁾	
	not lockable	lockable	hand released	2 ¹⁾	
	not lockable	lockable	key released	3 ¹⁾	
Code	Inscription (label)	Code	Inscription	Code	
E	0, I, Start, Stop	01	0	02	
	I	03	II	04	
		05	STOP	06	
	START	07	NOT-AUS1)	00	

¹⁾ only emergency stop mushroom head pushbutton

²⁾ only mushroom-head pushbutton normal version

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Example for order No.

Contact system	Pushbutton colour	Inscription	Order No.				
			A	B	C	D	E
EMERGENCY STOP mushroom-head pushbutton red, with silver contact points, without protective cover							
content with inscription D/E, hand released							
2 NC	red	German/English	GHG 418 815 3	R 1	2	00	
2 NC	red	German/French	GHG 418 815 3	R 4	2	00	
2 NO	red	German/English	GHG 418 815 4	R 1	2	00	
2 NO	red	German/French	GHG 418 815 4	R 4	2	00	
1 NO + 1 NC	red	German/English	GHG 418 815 5	R 1	2	00	
1 NO + 1 NC	red	German/French	GHG 418 815 5	R 4	2	00	
Version with inscription D/E, key released							
2 NC	red	German/English	GHG 418 815 3	R 1	3	00	
2 NC	red	German/French	GHG 418 815 3	R 4	3	00	
2 NO	red	German/English	GHG 418 815 4	R 1	3	00	
2 NO	red	German/French	GHG 418 815 4	R 4	3	00	
1 NO + 1 NC	red	German/English	GHG 418 815 5	R 1	3	00	
1 NO + 1 NC	red	German/French	GHG 418 815 5	R 4	3	00	
Mushroom-head pushbutton, with silver contact points, without protective cover							
version with inscription D/E, pushbutton function only							
2 NC	black	0, I, START, STOP	GHG 418 815 3	R 3	1	01	
2 NC	yellow	0, I, START, STOP	GHG 418 815 3	R 2	1	01	
2 NO	black	0, I, START, STOP	GHG 418 815 4	R 3	1	01	
2 NO	yellow	0, I, START, STOP	GHG 418 815 4	R 2	1	01	
1 NO + 1 NC	black	0, I, START, STOP	GHG 418 815 5	R 3	1	01	
1 NO + 1 NC	yellow	0, I, START, STOP	GHG 418 815 5	R 2	1	01	

Accessories

Type	OU	Order No.
Protective cover to meet IP66	5	GHG 410 1939 R0002

Please pay attention that only order units (OU) according to the ordering details can be delivered.

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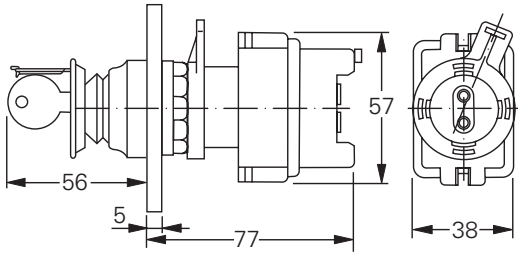
Mushroom-head pushbutton



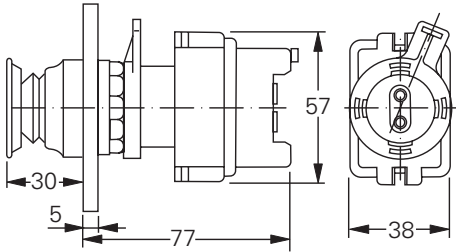
Mushroom-head pushbutton

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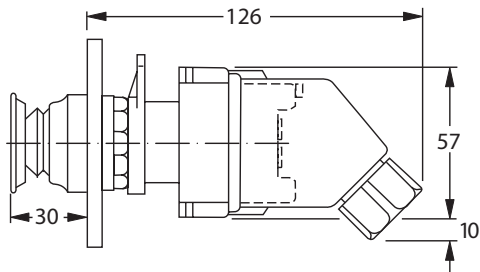
Dimension drawing



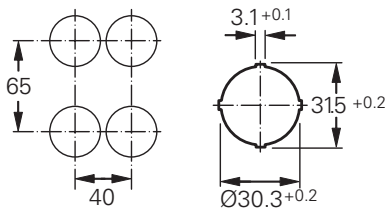
Mushroom-head pushbutton without protective cover with key release



Mushroom-head pushbutton without protective cover



Mushroom-head pushbutton with protective cover



Minimum distances