

Mini-control switch

Technical data

	Mini-control switch Type 418 8190	
	Complete certificate[1]	Component certificate
Marking accd. to 2014/34/EU	Ⓔx II 2 G Ex de IIC T6	Ⓔx II 2 G Ex de IIC/IIB Gb Ⓔx 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	-55 °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_e 250 V / I_e 6 A U_e 400 V / I_e 4 A DC-13: U_e 24 V / I_e 6 A U_e 220 V / I_e 1 A	AC-15: U_e 250 V / I_e 6 A U_e 500 V / I_e 4 A DC-13: U_e 24 V / I_e 6 A U_e 220 V / I_e 1 A
Connecting terminals	2 x 2.5 mm²	2 x 2.5 mm²
Degree of protection accd. to EN 60529	IP661)	IP00
Dimensions (L x W x H)	approx. 150 x 38 x 67 mm	approx. 101 x 38 x 57 mm
Weight	0.25 kg	0.20kg
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.

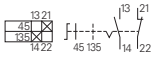
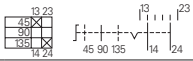
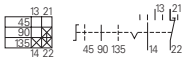


Mini-control switch

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

Code	A	B	C	D	E
Order No.	GHG 418 819 _	R	_	_	—

Code	Component		Code
A	Mini-control switch		GHG 418 819
Code	**Contact material**		**Code**
B	silver		0
	gold		1
Code	**Switching system**		
C	spring – engaging – spring		4
	engaging – engaging – engaging		5
	engaging – engaging		6
	spring – engaging – engaging		7
	engaging – engaging – spring		8

Code	Contacts	Code
D		0
		1
		**2**
		**3**
		**5**
		**7**

[1] only emergency stop mushroom head pushbutton

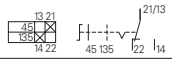
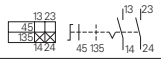
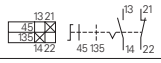
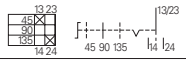
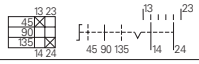
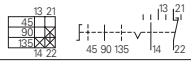
[2] only mushroom-head pushbutton normal version

Code	Inscription (label)			Code	Inscription (label)			Code
E	0		I	01	HAND	0	AUTO	15
	I		II	02	AUF	AUS	ZU	16
	STOP		START	03	HAND	AUS	AUTO	17
	HAND		AUTO	04	0	I	II	18
	SENKEN		HEBEN	05	AUS	AUTO	EIN	19
	REMOTE		LOCAL	06	AUS	HAND	AUTO	20
	I	0	II	07	ÖRTLICH	AUS	FERN	21
	AUS	BETRIEB	EIN	08	START	NORMAL	STOP	22
	AUS	0	EIN	09	OFF	0	ON	23
	AUF	0	AB	10	HAND	OFF	AUTO	24
	STOP	0	START	14	0	IN	START	25



Mini-control switch

Example for order No.

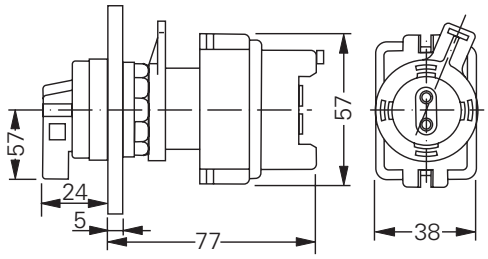
Switching mechanism	Code	Circuit	Code	Label	Order No. A	B	C	D	
Key-operated switch, without protective cover									
	6		0	I II	**GHG 418 819**	**0 R**	**6**	**0**	**02**
	6		2	0 I	**GHG 418 819**	**0 R**	**6**	**2**	**01**
	6		1	I II	**GHG 418 819**	**0 R**	**6**	**1**	**02**
	5		3	I 0 II	**GHG 418 819**	**0 R**	**5**	**3**	**07**
	5		5	I 0 II	**GHG 418 819**	**0 R**	**5**	**5**	**07**
	8		7	0 I	**GHG 418 819**	**0 R**	**8**	**7**	**01**

Accessories

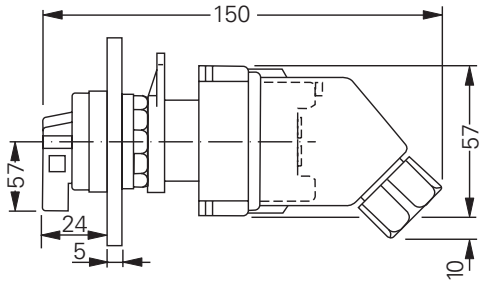
Type	OU	Order No.
Protective cover to meet IP66	5	**GHG 410 1939 R0002**

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

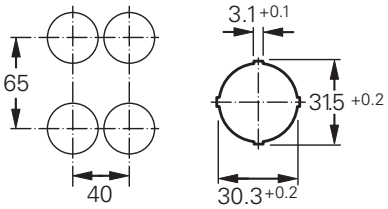
Dimension drawing



Mini-control switch without protective cover



Mini-control switch with protective cover



Minimum distances

Dimensions in mm