



Mini-control switch

Technical data

Mini-control switch Type 418 8190		
	Complete certificate ¹⁾	Component certificate
Marking accd. to 94/9/EC	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	-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 mm ²	2 x 2.5 mm ²
Degree of protection accd. to EN 60529	IP66 ¹⁾	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 for cable 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-control and signal units for panel mounting



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Ordering code for component (Code 2) Code A - B - C - D - E

A B C D E
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	Code
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

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



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Example for ordering code (Code 2)

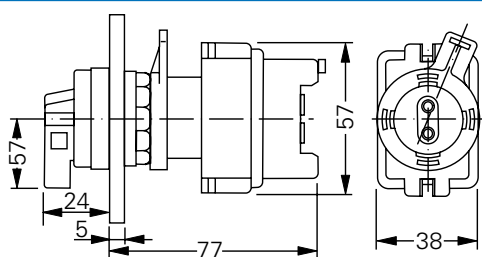
Switching system	Code	Circuit	Code	Label-	Order No.				
					A	B	C	D	E
Control switch with silver contact points, without protective cover									
Switch can be locked in all positions									
	6		0	I II	GHG 418 819	0 R	6	0	02
	6		2	0 I	GHG 418 819	0 R	6	2	01
	6		1	I II	GHG 418 819	0 R	6	1	02
	5		3	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

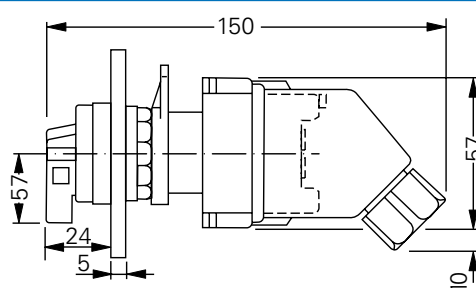
Type	OU	Order No.
Protective cover to meet IP66	5	GHG 410 1939 R0002

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

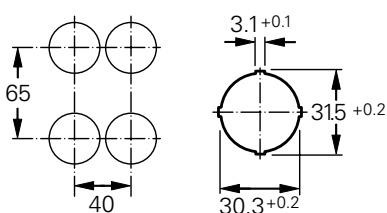
Dimension drawing



Mini-control switch without protective cover



Mini-control switch with protective cover



Minimum distances

Dimensions in mm