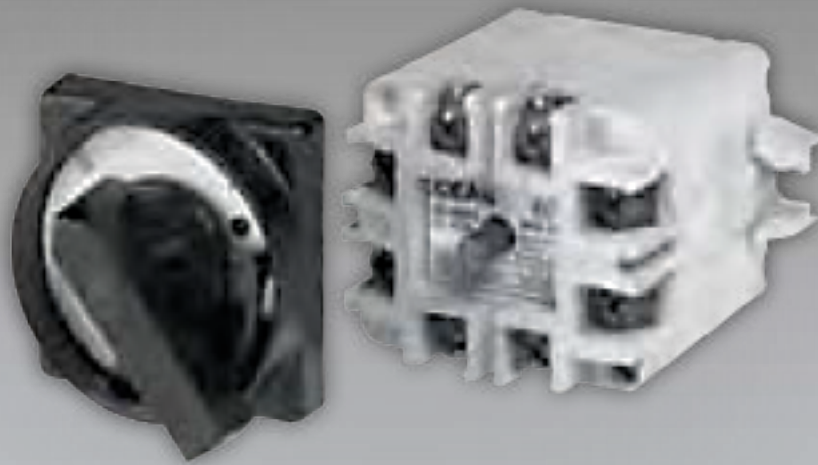




**Plant Products**

Connecting Business



Control switch GHG 23



# Control Stations

## Built-in components - control switch Ex 23 and Ex 29



### Technical data

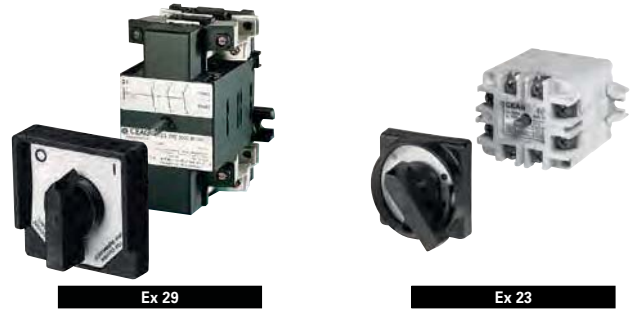
#### Ex-Built-in components for individual control stations Control switch Ex 23 and Ex 29

	Ex 23	Ex 29
Marking accd. to 2014/34/EU	<ul style="list-style-type: none"> <li>⊕ I M2 Ex d e I Mb</li> <li>⊕ II 2G Ex d e IIB/IIC Gb</li> <li>⊕ II 2G Ex d ia/ib IIB/IIC Gb</li> </ul>	⊕ II 2 G Ex de IIC
IECEX Certificate of Conformity	IECEX IBE 13.0108 U	
Marking accd. to IECEx	<ul style="list-style-type: none"> <li>Ex d e I Mb</li> <li>Ex d e IIB/IIC Gb</li> <li>Ex d ia/ib IIB/IIC Gb</li> </ul>	
EC-Type Examination Certificate	BVS 13 ATEX E 107U	PTB 98 ATEX 1118 U
Operating temperature range	<ul style="list-style-type: none"> <li>-45 °C up to +80 °C (IIC)</li> <li>-60 °C up to +80 °C (IIB)</li> </ul>	
Application temperature <sup>1)</sup>	<ul style="list-style-type: none"> <li>-45 °C up to +55 °C (IIC)</li> <li>-60 °C up to +55 °C (IIB)</li> </ul>	<ul style="list-style-type: none"> <li>-20 °C up to +40 °C</li> <li>-55 °C up to +55 °C (option)</li> </ul>
Rated voltage	up to 500 V	up to 500 V
Rated current	10 A	16 A <sup>2)</sup>
Rated current with gold contact points	0.4 A	0.4 A
Rated making-/rated breaking capacity accd. EN 60947-5-1	<ul style="list-style-type: none"> <li>AC-15: U<sub>e</sub> 230 V / I<sub>e</sub> 6 A</li> <li>U<sub>e</sub> 500 V / I<sub>e</sub> 4 A</li> <li>DC-13: U<sub>e</sub> 24 V / I<sub>e</sub> 6 A</li> <li>U<sub>e</sub> 230 V / I<sub>e</sub> 0.5 A</li> </ul>	<ul style="list-style-type: none"> <li>AC-15: U<sub>e</sub> 230 V / I<sub>e</sub> 6 A</li> <li>U<sub>e</sub> 400 V / I<sub>e</sub> 4 A</li> <li>DC-13: U<sub>e</sub> 24 V / I<sub>e</sub> 2 A</li> <li>U<sub>e</sub> 230 V / I<sub>e</sub> 0.3 A</li> </ul>
Connecting terminals	2 x 0.5 - 2.5 mm <sup>2</sup>	2 x 0.5 - 2.5 mm <sup>2</sup> or 1 x 1.0 - 6.0 mm <sup>2</sup>
Weight	<ul style="list-style-type: none"> <li>1 level: approx. 0.2 kg</li> <li>2 level: approx. 0.35 kg</li> <li>3 level: -</li> </ul>	<ul style="list-style-type: none"> <li>approx. 0.25 kg</li> <li>approx. 0.40 kg</li> <li>approx. 0.55 kg</li> </ul>
Type of mounting	DIN rail mounting	
Enclosure colour	grey	black

<sup>1)</sup> 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.

<sup>2)</sup> min. cross section of used cable  $\geq$  12 A: 2.5 mm<sup>2</sup>

## Built-in components - control switch Ex 23 and Ex 29



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

Code	Component		Code	
<b>A</b>	Ex 23		<b>Ex 23</b>	
	Ex 29		<b>Ex 29</b>	
<b>Code</b>	<b>Switching system</b>		<b>Code</b>	
<b>C</b>	spring – engaging – spring		4	
	engaging – engaging – engaging		5	
	engaging – engaging		6	
	spring – engaging – engaging		7	
	engaging – engaging – spring		8	
<b>D</b>	<b>Contacts Silver contact points</b>	<b>Code</b>	<b>Contacts Silver contact points</b>	<b>Code</b>
		<b>060</b>		<b>034</b>
		<b>062</b>		<b>037</b>
		<b>065</b>		<b>049</b>
		<b>061</b>		<b>023</b>
		<b>063</b>		<b>019</b>
		<b>067</b>		<b>033</b>
		<b>011</b>		<b>024</b>

Versions with gold contact points are available on request.

Versions with compulsory NO are possible.

## Built-in components - control switch Ex 23 and Ex 29



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

Code	Inscription (labels)		Code	Inscription (labels)			Code
E	0	I	01	0	I	II	18
	I	II	02	AUS	AUTO	EIN	19
	STOP	START	03	AUS	HAND	AUTO	20
	HAND	AUTO	04	ÖRTLICH	AUS	FERN	21
	SENKEN	HEBEN	05	START	NORMAL	STOP	22
	REMOTE	LOCAL	06	OFF	0	ON	23
	I 0	II	07	HAND	OFF	AUTO	24
	AUS BETRIEB	EIN	08	0	IN	START	25
	AUS 0	EIN	09	MAN		AUTO	26
	AUF 0	AB	10	START		STOP	27
	Entriegelt 0	Verriegelt	11	HEBEN		SENKEN	28
	OUT OF	HAND	12	OFF		ON	29
	LOCAL REMOTE	AUTO	13	AUS		EIN	30
	STOP 0	START	14	HAND		AUTO	31
	HAND 0	AUTO	15	ON		OFF	32
	AUF AUS	ZU	16	I	II	III	33
Code	Padlocking facility						Code
F	none	<input type="checkbox"/>					0
	centre	<input type="checkbox"/>					1
	right	<input type="checkbox"/>					2
	left	<input type="checkbox"/>					3

### Example for ordering code (Code 2)

Content	Component	Contacts	Label	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
A	Switching system B	C	D	E	F	G	H	I	J	K	L	M	N
Ex 23	6		060 I - II	02	none	<input type="checkbox"/>	0	Ex 23	6	060	02	0	
Ex 23	5		034 I - 0 - II	07	centre	<input type="checkbox"/>	1	Ex 23	5	034	07	1	
Ex 29	6		060 I - II	02	left	<input type="checkbox"/>	3	Ex 29	6	060	02	3	
Ex 29	6		065 0 - I	01	right	<input type="checkbox"/>	2	Ex 29	6	065	01	2	

Other combination available on request

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