Control switch complete device 4-pole

- For Zone 1/21 and 2/22
- Positive break operation
- Latched and momentary-contact positions
- Easy installation
- Customer-specific solutions

This control switch has been designed to solve the variety of problems encountered in chemical and petrochemical plants and on explosion-proofed electrical machinery in zones 1 and 2 and in Zone 21 and 22. Four switch contacts as opening and closing elements in different permutations permit a variety of functions. The operner has a positive break operation. The switch actuator offers latched and momentary-contact positions with different switch positions.

The control switch is supplied in double or triple ComEx enclosures, or in combination with other command devices, in control units. The actuating element can be locked with up to max. 3 padlocks.

Explosion protection

Marking ATEX	EX II 2G Ex db eb IIC T6 Gb EX II 2G Ex db eb ia IIC T6 Gb EX II 2D Ex tb IIIC T80 °C Db
Certification	CML 14 ATEX 3073 X
Marking IECEx	Ex db eb IIC T6 Gb Ex db eb ia IIC T6 Gb Ex tb IIIC T80 °C Db
Certification	IECEx CML 14.0029X
Ambient temperature	up to -55 °C ≤ Ta ≤ +60 °C (-20 °C to +60 °C for Zone 21 and 22)
Product printing	Standard: ATEX and IECEx marking. Other markings on request. Please specify in plain text.

Other approvals and certificates, see www.bartec.com

Technical data

Connection	terminals 2.5 mm²
Conductor terminals	4 x 2.5 mm²
Rated insulation voltage	max. AC 690 V
Rated current	max. 16 A
Cable entry	Standard version: M20 x 1.5 for cables with Ø 7 to 13 mm Special version: M25 x 1.5 for cables with Ø 7 to 12 mm M25 x 1.5 for cables with Ø 10 to 17 mm
Enclosure material	thermoplastic
Protection class	IP 66/IP 67
Contact material	$AgSnO_2$
Switching function	4 switch contacts NC/NO in different switch permutations Latching and momentary-contact functions with different switch positions

Contacts	contacts with positive break operation (self-cleaning)		
Switch isolator (main motor switch)	DIN EN 60947-3		
	P/AC-3/AC-23 A	AC-3	AC-23
	230 V	3 ph/3 kW	1ph/2.2 kW
	400 V	3 ph/5.5 kW	1ph/3 kW
	Ie = AC-23/400 V/10 A		
Control switch according to DIN EN 60947-5-1 (auxiliary circuit switch)	AC-15	400 V	10 A
	AC-12	400 V	16 A
	DC-13	24 V	1 A

Electrical data

Rated insulation voltage	U_i = 690 V U_e = 400 V
Rated impulse strength	U_{imp} = 6 kV
Conditional rated short/circuit current at 400 V	I_e = 4 kA
Short circuit current (general-purpose l.v.h.b.c. back-up fuse for the protection of cables and circuits)	max. 16 A
Nominal thermal current	(+40 °C) I_{the} = 16 A (+60 °C) I_{the} = 11 A
Dimensions	See dimensions for complete device

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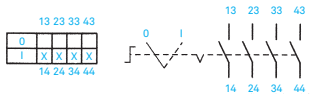
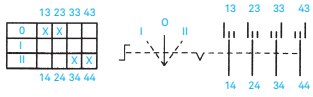
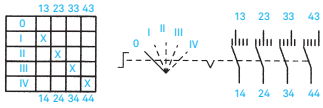
Selection chart

Labelling	Code no.
0 - I	01
I - II	02
I - 0 - II	03
0 - I - II	04
0 - I - II - III	05
0 - I - II - III - IV	06
AUS - EIN	07
OFF - ON	08
HAND - 0 - AUTO	09
HAND - 0 - AUTO - EIN	10
HAND - BETRIEB - I	11
STOP - START	12
HAND - AUTO	13
SENKEN - HEBEN	14
REMOTE - LOCAL	15
AUS - BETRIEB - EIN	16
AUS - 0 - EIN	17
AUF - 0- AB	18
OUT - OFF - HAND	19
LOCAL - REMOTE - AUTO	20
STOP - 0 - START	21
AUS - AUTO - EIN	22
OFF - AUTO - ON	23
0 - IN -START	24
ENTRIEGELT - VERRIEGELT	25

Switching arrangement of control switch

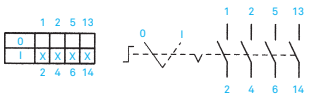
Labelling	Code no.
	A01
	A02
	A03
	A04
	H05
	C06
	C07

Switching arrangement of control switch

Labelling	Code no.
	E06
	E09
	L01

Other variants available.

Switching arrangement for switch isolator

Labelling	Code no.
	N01
	N02

Complete order no.

Control unit, double	0 7 - 3 5 1 2 - 1 0 G
Control unit, triple	0 7 - 3 5 1 3 - 1 0 G
Labelling position selector	
Switching arrangement	
Switch module or indicator light	

Other labellings and switching arrangements on request.

As standard, there are 3 bore holes at the protective shroud for padlocks. Where no further information is given on the end position, bore holes are drilled in the position 0 (I) or as requested.

Technical data subject to change without notice.