



Control switch

Features

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

Description



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 opener 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

Ex protection type

ATEX  II 2G Ex ed IIC T6
 II 2D Ex tD A21 IP 66 T80 °C

Certification

PTB 00 ATEX 1068

IECEx Ex ed IIC T6

Ex tD A21 IP 66 T80 °C

Certification

IECEx PTB 08.0022

Further approvals

UL, CSA, GOST, KTL, INMETRO, DNV

Other approvals and certificates,
see www.bartec-group.com

Permissible ambient temperatures

-55 °C to +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.

**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 materialAgSnO₂**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	1 ph/2.2 kW
400 V	3 ph/5.5 kW	1 ph/3 kW

I_e = 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 VU_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



Selection chart

Labelling	Code no.	Labelling	Code no.	Switching arrangement of control switch	Code no.	Switching arrangement of control switch	Code no.	
0 - I	01	LOWER - RAISE	14		A01		C06	
I - II	02	REMOTE - LOCAL	15		A02		C07	
I - 0 - II	03	OFF - OPERATION - ON	16		A03		E08	
0 - I - II	04	OFF - 0 - ON	17		A04		E09	
0 - I - II - III	05	UP - 0 - DOWN	18		H05		L01	
0 - I - II - III - IV	06	OUT - OFF - MANUAL	19					
AUS - EIN	07	LOCAL - REMOTE - AUTO	20					
OFF - ON	08	STOP - 0 - START	21					
MANUAL - 0 - AUTO	09	AUS - AUTO - EIN	22					
MANUAL - 0 - AUTO - ON	10	OFF - AUTO - ON	23					
MANUAL - OPERATION - I	11	0 - IN - START	24					
STOP - START	12	UNLOCKED - LOCKED	25					
MANUAL - AUTO	13							
Other variants available.				Switching arrangement for switch isolator				
								N01
								N02

Please enter code numbers.

➔ Complete order no.

Control unit, double 07-3512-10G

Control unit, triple 07-3513-10G

Labelling position selector

Switching arrangement

Switch module or indicator light

Other labellings and switching arrangements on request. Technical data subject to change without notice.

In principle, 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.