

Door controls / electrical accessories

for ELEKTROMATEN comply to ATEX

ATEX door controls by GfA are designed for the special requirements of potentially explosive atmospheres. Depending on the version, they may be used inside (1) or outside (2/3) the hazardous area.

All door controls supplied with:

- Mains switch/isolator
- Motor overload protection
- Settings via selector switch with digital display
- Change of rotating direction from control panel push buttons
- Status and information display
- Cycle counter
- Maintenance cycle counter: 1.000 - 99.000 cycles
- Supply voltage:
3-230V, PE / 3N-400V, PE / 3-400V, PE
- Operating frequency: 50 / 60 Hz
- Control voltage: 24V DC
- Mains supply ratings for external devices:
24V DC (0,35A) / 230V AC (1,6A)
- Without connection cable



To be used inside the potentially explosive atmosphere

1 Door control TS 971-ATEX II 2 G/D

- Ⓢ II 2(1)G Ex de [ia Ga] IIC T6 Gb / II 2(1)D Ex tb [iaDa] IIIC T85° Db
- Selectable operating mode: Hold-to-run / Self-hold
- Explosion proof housing with a window
- Integrated OPEN-STOP-CLOSE push-button
- Evaluator for a safety edge system with 8k2 resistor and zener barrier integrated
- Slack rope / pass door switch contact available by integrated zener barrier
- Integrated switch device for photo cell detection
- Permissible temperature range: -5°...+40°C

To be used outside the potentially explosive atmosphere

Applicable to both door controls:

- Slack rope / pass door switch contact available by integrated zener barrier
Ⓢ II 3(1)G [Ex ia Ga] IIC T4 Gc / II (1)D [Ex ia Da] IIIC
- Permissible temperature range: -10°...+50°C

2 Door control TS 971-Hold-to-run ATEX

- Selectable operating mode: Hold-to-run CLOSE / OPEN; Hold-to-run CLOSE / Self-hold OPEN

3 Door control TS 971-Automatic ATEX

- Selectable operating mode: Hold-to-run / Self-hold
- Evaluator for a safety edge system with 8k2 resistor and zener barrier integrated Ⓢ II 3(1)G [Ex ia Ga] IIC T4 Gc / II (1)D [Ex ia Da] IIIC
- Integrated switch device for photo cell detection Ⓢ II (1)G [Ex ia] IIC / II (1)D [Ex iaD]

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Door controls: To be used inside the potentially explosive atmosphere

Version	Part no.
1 Door control TS 971-ATEX II 2 G/D W x H x D: 338 x 540 x 228 mm; 26,0 kg; Part no. installation drawing: 50001985 for Motor 1.10 kW for Motor 0.37 kW	20003679.00001 20003679.00002

Door controls: To be used outside the potentially explosive atmosphere

Version	Part no.
2 Door control TS 971-Hold-to-run ATEX, outside the potentially explosive atmosphere W x H x D: 250 x 375 x 188 mm; 5,7 kg; Part no. installation drawing: 50001979 for Motor 1.10 kW for Motor 0.37 kW	20003694.00001 20003694.00002
3 Door control TS 971-Automatic ATEX, outside the potentially explosive atmosphere W x H x D: 375 x 375 x 188 mm; 8,2 kg; Part no. installation drawing: 50001978 for Motor 1.10 kW for Motor 0.37 kW	20003693.00001 20003693.00002

Photo cell



Version	Part no.
Reflex photo cell II 2 G Ex ia IIC T4, 22 m range, incl. reflector and bracket, To be used with door control TS 971-Automatic ATEX (1/3) (detector integrated)	30005772

Push-button



Version	Part no.
Three push button OPEN/STOP/CLOSE No. 51 aP (wall mounting) II 2 G Ex d e ia ib [ia Ga] mb q IIA, IIB, IIC, T6, T5, T4 Gb II 2 D Ex tb IIIC T80°C, T95°C, T130°C Db W x H x D: 80 x 185 x 85 mm	40009665

Mains switch



Version	Part no.
Mains switch 16 A, up to 690 V II 2 G Ex ed IIC T6 II 2 D Ex tD A21 IP66 T80°C W x H x D: 112 x 205 x 130 mm	40014087

Accessories



Version	Part no.
Junction box II 2 G Ex e ia IIC T6, T5 Gb II 2 D Ex tb IIIC T80 °C, T95 °C Db Degree of protection IP66, Cable gland 3 x M20 x 1,5 W x H x D: 71 x 116 x 45 mm	40014675



Cable gland II 2 G Ex e IIC Gb II 2 D Ex tb III C Db Degree of protection IP66, M16 x 1,5 M20 x 1,5	40013344 40013332
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