

TECHNICAL SPECIFICATIONS, DESCRIPTIONS and GENERAL FEATURES

- **Protection Degree:** IP 65 (EN 60529)
- **Plug Connection:** DIN 46340-3 poles connectors (DIN 43650)
- **Electrical Safety:** IEC 335, EN 60335-1, EN 60204-1
- **Coil Insulation Class:** H (180°C)
- **Coil Impregnation:** Fiber Glass Reinforced or PP-V0
- **Coil Encapsulation Material:** Fiber Glass Reinforced or PP-V0
- **Safety Mode:** EEx m II T4
- **Supply Voltages:** For AC (-) 12V, 24V, 48V, 110V, 230V
For DC (=) 12V, 24V, 48V, 110 V, 230 V
- **Voltage Tolerances:** For AC (-) or DC (=) % -10 ; % +10
- **Frequency:** 50 Hz
- **Coil Duty Cycle:** %100 ED, Continuously Rated
- **Min. And Max. Ambient Temperatures:** -20 °C; 70 °C
- **Standarts:** IEC 60079-0, IEC 60079-18, EN 50281-1-1, IEC 61241-1-1, EN 60529, EN 61000-6-4, 61000-6-2, EN 50014, EN 50028
- **Directive:** According to 94/9 EG (Atex 100a)
- The solenoid operator is an encapsulated safe electrical work equipment group II , designed for application in atmospheres according to category 2G and 2D (temperature class and surface temperature as per imprint)
- Design according to DIN VDE 0580
- Standart cable length 3 meters
- On request; other special supply voltages, frequencies (60 Hz), coil insulation class: F (155°C)
- High voltage tolerance, high reliability, high quality, high performance, Low power loss
- **Mounting position:** optional any position but preferably solenoid coil vertical on top
- Explosionproof operator, intended for use in potentially explosive atmospheres
- II 2G EEx m II T5 / For AC; 4,4VA-4,9VA / For DC; 4,9W-5, 1W
- II 2G EEx m II T6 / For AC; 3,9VA-4,4VA / For DC; 4,7W-5, 2W



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|----------------|-------------------------|---------------------|----------------------|
| IP 65 | Wide Voltage Range | Coil Rotatable 360° | %100 Quality Control |
| Low Power Loss | High Voltage Tolerances | High Reliability | Long Life |



| Power Consumption | | | | | |
|--------------------------|---------|-------------|---------------------|---------|----------|
| Alternating Current (AC) | | | Direct Current (DC) | | |
| Model No | Voltage | Inrush (VA) | Model No | Voltage | Cold (W) |
| EC011.AC.012 | 12 | 7,5VA | EC011.DC.012 | 12 | 9,9W |
| EC011.AC.024 | 24 | 7,2VA | EC011.DC.024 | 24 | 10,1W |
| EC011.AC.048 | 48 | 8,3VA | EC011.DC.048 | 48 | 8,9W |
| EC011.AC.110 | 110 | 9,1VA | EC011.DC.110 | 110 | 8,4W |
| EC011.AC.230 | 230 | 8,5VA | EC011.DC.220 | 220 | 9,5W |

