

ROTEX AUTOMATION EUROPE

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*Engineering For The Future***DATASHEET**

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|------------------------------------|--|
| Type of Valve | : 5/2 Internal Pilot Operated Double Solenoid Valve |
| Ordering Code | : 57440A-6-2G-B2+III-24V-DC-66-NS-H-01 |
| Item Code | : |
| Port Connection | : 1/4" BSP(F) |
| Orifice Size (mm) | : 6 mm |
| Flow Factor (kv) | : 12 LPM |
| Body Material | : Extruded Brass with internal wetted parts of Brass, Stainless Steel 316 |
| Manual Override | : Manual Override Momentary type, Push to operate, provided |
| Seat Seal Material | : NBR |
| Media | : Air |
| Main Pressure | : 2 - 10 bar |
| Media Temp Range | : -25°C to +75°C |
| Type of Solenoid | : Intrinsically Safe Enclosure with Circuit Ex ia having integrated Terminals, Bottom Cable Entry 1/2" NPT(F), IP67 |
| Size of Coil | : III |
| Enclosure Material | : Aluminium Cast Powder coated |
| Voltage | : 24V DC |
| Power of Coil | : Refer Minimum Operating Parameter |
| Insulation Class | : Class H |
| Approval | : IEC Ex + ATEX |
| Minimum Operating Parameter | : V / I / W - 10V / 20mA / 0.20W |
| Entity Parameter | : Ui - 32V DC, Ii - 230mA, Pi - 2.3W, Li - 0, Ci - 0 |
| Coil Certificate nr. | : IECEx BAS 12.0128X - Issue 1, Baseefa12ATEX0243X - Issue 1 |
| Marking | : Ex ia IIC T5, Ga (-60 °C ≤ Ta ≤ 75 °C) Ex ia IIC T6, Ga (-60 °C ≤ Ta ≤ 60 °C) Ex ia IIIC T200 125 °C IP67 Da (-60 °C ≤ Ta ≤ 75 °C) |

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|---------------------------|------|------|------|------|-----|------|------|-----|-----|-----|
| Voltage(V) | 10 | 11 | 12.5 | 14 | 18 | 22 | 24 | 26 | 30 | 32 |
| Current(mA) | 20 | 22 | 25.5 | 28.5 | 37 | 45.5 | 49.7 | 54 | 63 | 67 |
| Response Time(ms)≤ | 4800 | 3800 | 2500 | 1600 | 850 | 650 | 450 | 400 | 250 | 250 |

Response ON Time For Solenoid Valve

| | | | | |
|-----------------------------|------|------|------|------|
| Current(mA) | 18.5 | 20 | 25 | 30 |
| Open Ckt, Voltage(V) | 19.5 | 19.5 | 19.5 | 19.5 |
| Time(ms)≤ | 5000 | 4000 | 2500 | 2000 |

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