

ROTEX AUTOMATION EUROPE

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*Engineering For The Future***DATASHEET**

Type of Valve	: 5/2 - 3/2 Convertible Internal Pilot Operated Single Solenoid Namur Valve
Ordering Code	: 51450V02-6-2G-B5-M8+III-24V-DC-66-MS-H-01
Item Code	:
Port Connection	: 1/4" BSP(F)
Orifice Size (mm)	: 6 mm
Flow Factor (kv)	: 12 LPM
Body Material	: Stainless Steel 316 with internal wetted parts of 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 M20X1.5mm(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)

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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