

**ROTEX AUTOMATION EUROPE**

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*Engineering For The Future***DATASHEET**

<b>Type of Valve</b>	: 5/2 - 3/2 Convertible Internal Pilot Operated Double Solenoid Namur Valve
<b>Ordering Code</b>	: 57450V02-6-2G-B5+III-24V-DC-66-MS-CO-H-01
<b>Item Code</b>	:
<b>Port Connection</b>	: 1/4" BSP(F)
<b>Orifice Size (mm)</b>	: 6 mm
<b>Flow Factor (kv)</b>	: 12 LPM
<b>Body Material</b>	: Stainless Steel 316 with internal wetted parts of Stainless Steel 316
<b>Manual Override</b>	: Manual Override Momentary type, Push to operate, provided
<b>Seat Seal Material</b>	: NBR
<b>Media</b>	: Air
<b>Main Pressure</b>	: 2 - 10 bar
<b>Media Temp Range</b>	: -25°C to +75°C
<b>Type of Solenoid</b>	: Intrinsically Safe Enclosure with Circuit Ex ia having integrated Terminals, Bottom Cable Entry M20X1.5mm(F), IP67
<b>Size of Coil</b>	: III
<b>Enclosure Material</b>	: Stainless Steel Cast CF8M
<b>Voltage</b>	: 24V DC
<b>Power of Coil</b>	: Refer Minimum Operating Parameter
<b>Insulation Class</b>	: Class H
<b>Approval</b>	: IEC Ex + ATEX
<b>Minimum Operating Parameter</b>	: V / I / W - 10V / 20mA / 0.20W
<b>Entity Parameter</b>	: Ui - 32V DC, Ii - 230mA, Pi - 2.3W, Li - 0, Ci - 0
<b>Coil Certificate nr.</b>	: IECEx BAS 12.0128X - Issue 1, Baseefa12ATEX0243X - Issue 1
<b>Marking</b>	: 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) Ex ia I Ma (-60 °C ≤ Ta ≤ 75 °C)

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

**Response ON Time For Solenoid Valve**

<b>Current(mA)</b>	18.5	20	25	30
<b>Open Ckt, Voltage(V)</b>	19.5	19.5	19.5	19.5
<b>Time(ms)≤</b>	5000	4000	2500	2000

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