



Features / Design

5/2-way¹ (or 3/2 way)² ATEX³-approved valves – Ignition Protection Type Ex m (encapsulation) – std. temp. range (-10°C... +50°C)⁴ – aluminum, anodized; actuated by permanent signal. Interface according to 1/4" NAMUR-std; with pneumatic spring return. Valves are generally equipped with manual override. Delivery of valve includes 1 pin, 2 screws, 2 O-rings. Valves are available with solenoids: 110V/50Hz, 24V=

CSA / FM⁵ approved encapsulated coils for gas and dust explosion-hazardous environment with 60 cm flying leads.

Specifications

COMPONENT	FEATURE	VALUE
Valve Body Marking: II2G/D c T4 -10°C ≤ Ta ≤ 50°C	Port Size	G 1/4 - 1/4" NPT
	Air Flow	1,250 l/min
	Operating Pressure	Máx.10 bar
	Zone	1, 2, 21, 22
	Temperature Class	T4
Coil Type	Type	24 DC 110 AC
	Voltage	24V= 110V ~
	Ampere	±10% ±10%
	Power Consumption	4.6 W 6.8 VA
	Temperature Class	T4 (135°C)
	Relative Duty Cycle	100%
	Temperature Range	-20°C ... +60°C
	Protection Type	EN 60529: IP65
	Coil Material	Thermoplasticpolyester
	Coil Rating	DIN VDE 0580: Class H
Conduit	1/2" NPT	

Ex m II T4 and Division 1
Specifications in accordance to CSA certificate:
 Class I, Div. 1, Groups A, B, C & D; Class II, Groups E, F & G; Class III
 Class I, Division 2, Groups A, B, C, D.
Specifications in accordance to FM certificate:
 Explosion-proof Class I, Division 1, Groups A, B, C, D, T4, Ta = 60 °C
 Encapsulation/explosion-proof Class I, Zone 1, AEx m II T4, Ta = 60 °C
 Dust-ignition-proof for Class II/III, Div. 1, Groups E, F & G, T4, Ta = 60 °C
 Nonincendive Class I, Division 2, Groups A, B, C, D, T4, Ta = 60 °C
 Suitable for Class II, III, Division 2, Groups E, F, G, T4, Ta = 60 °C

SNXH Series (Coil)

"Flex Pack", Material PA, Orifice 4: 7mm, Orifice 2-3: 4mm, Weight: 0.012 kg.

SNGH on double acting act.

SNGH and Flex-Pack on single acting act.

1) As the coil is 36 mm wide, a spacer plate has to be used.
 2) Adding the "Flex-Pack", converts the valve into a 3/2-way NAMUR-valve with exhaust-air (recirculation ("purge")); delivery includes longer screws, seals as well as a plug to close port 3 of the valve.
 3) The coil is not approved according to ATEX.
 4) A low temperature version for -20°C ... +50°C is also available on request. Please note that the system is restricted by the minimum ambient temperature for the coil of -20°C.
 5) CSA/FM approval is only valid as long as the associated components are used.

How To Order

SNXH – Operation Voltage

DESCRIPTION	CODE
Operation	3/2 : 3-Way / 2-Position 5/2 : 5-Way / 2-Position
Voltage	SCD24 : 24VDC SCA110 : 110VAC

