



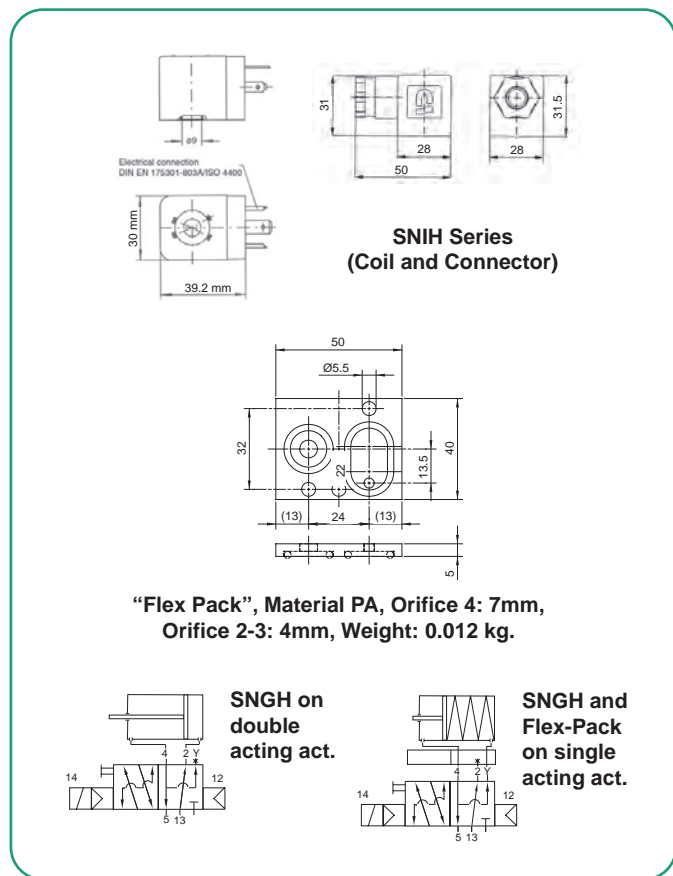
Features / Design

5/2-way¹ (or 3/2 way)² ATEX-approved valves – Ignition protection Ex ia (intrinsically safe) – std. temp. range (-10°C ... +50°C) – 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 includes 1 pin, 2 screws, 2 O-rings. **Valves are available only with solenoid 24V=**

ATEX³ approved intrinsic safety coil and connector⁴ for gas and dust explosion-hazardous environment. System is also IEC-Ex approved.

Specifications

COMPONENT	FEATURE	VALUE	
Valve Body	Port Size	G 1/4 - 1/4" NPT	
	Air Flow	1,250 l/min	
	Operating Pressure	Máx. 8 bar	
	Zone	1, 2, 21, 22	
	Temperature Class	T6	
Coil (30 mm wide)	Electrical Characteristics	21.6... 28 V DC	
		> 37mA	
		final temperature rise	
		18 K	
	Marking: II 2G Ex ia IIB/IIC T6 II 2D Ex ib IIC T80°C	Relative Duty Cycle	100%
	Temperature Range	-40°C ... +50°C	
	Insulation Class ⁵	DIN VDE 0580: F	
	Protection Level ⁶	EN 60529: IP65	
	Moulding Material	Thermoset resin (Epoxy)	
	Coil Rating	DIN VDE 0580: Class H	
Barrier	Electrical Characteristics	21.6... 28 V DC	
	Admissible Peak Value	28 V DC, 115 mA, 1.6 W	
Connector for Coil (Black Housing)	LED	No	
	VAR	-	
Connector for Coil (Black Housing)	Operat. Voltage	0 - 250 V	
	Max. Current	6 A	
	Cable Diameter	6 - 8 mm	
	Electrical Connection ⁷	Form A (EN 175301-803)-M20 x 1,5; 6-8 mm	



1) As the coil is 30 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 ATEX approval is only valid as long as the associated components are used.
 4) ATEX approved connector, flat nitril gasket and fixing screw (zinc-plated steel). Specially designed for being used in combination with the intrinsic safety coil. For dust approval (zone 21), this original connector is mandatory.
 5) Insulation class of insulating materials according to DIN VDE 0580.
 6) Protection level with connector; using the enclosed flat seal, fastening screw and nut appropriately the system reaches protection class IP 65 in accordance to IEC 60 529
 7) Electrical connection according to DIN EN 175301-803-A / ISO 4400.

How To Order

SNIH – Operation – **SCD24**

DESCRIPTION	CODE
Operation	3/2 : 3-Way / 2-Position
	5/2 : 5-Way / 2-Position

