- **Port size: DN 8, G3/8**
- **High pressure solenoid valve manifold**
- **Further customized solutions available upon request**

Technical features

Medium:
For compressed natural gas (CNG)
Switching function:
Normally closed
Operation:
Indirectly solenoid actuated
Mounting position:
Optional

Flow direction:
Determined
Port size:
G3/8
Operating pressure:
10 … 320 bar (10 ... 4640 psi)
Leakage:
Internal Leakage acc. to DIN EN 12266-1 Leakage “C”
External Leakage acc. to DIN EN 12266-1 Leakage “A”

Fluid temperature:
–20° ... +60°C (-4° ... +140°F)
Ambient temperature:
–20° ... +50°C (-4° ... +122°F)

Material:
Body: Brass
Seat seal: Polymer
Internal parts: Brass, Stainless steel, Polymer

Installation of a 40 µm filter in front of the valve is required!

Technical data - standard models

Consisting of:	Port size	Nominal Diameter (mm)	Flow kv value *1) (m^3/h)	Operating pressure (max. Differential pressure) (bar)	Weight (kg)	Model Solenoid in V d.c./a.c.
- 6 solenoid valves to control a dispenser wi h two lines (parallel filling of two cars) - 6 non return valves to avoid the inflow from higher pressure levels (e. g. High Bank) to lower pressure levels (e. g. Middle Bank)	G3/8	8	1	10 ... 320	17,5	8499898.9841.xxxxx

xxxxx Please insert voltage and frequency codes
*1) Cv-value (US) ≈ kv value x 1,2

Acc. to PED 97/23/EC and ATEX 94/9/EC!

Option selector

8590★★★.★★★★.★★★★★

Port size	Substitute
3/8	**898**

Frequency	Substitute
See table frequency codes	**xx**
Voltage	**Substitute**
See Voltage Codes	**xxx**
Solenoid options	**Substitute**
Solenoid with 10 m cabel ends Protection class according to - II 2 G Ex mb IIC T4 Gb - II 2 D Ex mb tb IIIC T130°C Db	**9845**
For d.c. with 1/2 - 14 NPT female thread and 460 mm flying leads Protection class acc. to ANSI/NEMA USA: FM approved (File-No. 2Z2A6.AE) Canada: CSA certified (File-No. LR 57643-6) Solenoids in temperature class T3C (160°C) are useable in Ex-areas (see table Ex-areas)	**3826**
For a.c. with integrated rectifier wi h 1/2 - 14 NPT female thread and 460 mm flying leads Protection class acc. to ANSI/NEMA USA: FM approved (File-No. 2Z2A6.AE) Canada: CSA certified (File-No. LR 57643-6) Solenoids in temperature class T3C (160°C) are useable in Ex-areas (see table Ex-areas)	**3827**
Solenoid with terminal box cable gland M20 x 1,5 cable clamp ø 5 ... 8 mm Protection class according to - II 2 G Ex e mb IIC T4/T5 Gb - II 2 D Ex tb IIIC T 130°C Db IP66 Ambient temperature: T4 –40 ... +50°C (+32 ... +122°F) T5 –40 ... +40°C	**428x**
Solenoid with terminal box cable gland M20 x 1,5 (cabel clamp ø 10 ... 14 mm) 1/2 ... 1/4 NPT (cabel clamp ø 7,5 ... 11,9 mm) Protection class according to - II 2 G Ex d mb IIC T4/T5 Gb - II 2 D Ex tb IIIC T 130°C Ambient temperature: T4 –40 ... +50°C (+32 ... +122°F) T5 –40 ... +40°C	**468x**

Standard solenoid systems

Voltage and Frequency Solenoid 9841					
Code Voltage	Code Frequency	Voltage	Frequency	Power consumption	
				Inrush	Holding
024	00	24 V d.c.	-	10,1 W	10,1 W
230	59	230 V a.c.	50 … 60 Hz	9,2 VA	9,2 VA

Ex-areas

	Class	Division	Groups
Gases + fumes	I	1 and 2	A ... D
Dusts	II	1 and 2	E ... G
Fibres + fluffs	III	1 and 2	–

Solenoid systems

ATEX category	Protection class	Solenoid	Standard voltages
II2GD	Ex mb IIC T4 Gb Ex mb tb IIIC T 130°C Db with 3 m connection cable	9841	24 V d.c., 110 V a.c., 230 V a.c.

Electrical details for all solenoid systems

Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65

According to DIN VDE 0580 at a solenoid temperature of +20°C.
At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

Dimensions

Dimensions in mm
Projection/First angle