



E Ex m II T6 Series Explosion Protected Valves



Features

- ◆ 3/2 and 5/2 valves as standard
- ◆ Approved to international standards for use in Zone 1 and 2
- ◆ Sub-base mounted and body ported valves
- ◆ Manifold options

Materials for Pilot Solenoid Valve

Body:	Thermoplastic
Plunger:	Stainless steel 303
Springs:	Stainless steel 430F
Seals:	NBR
Mounting:	Factory assembled to relevant spool valve body - see table

Technical Specifications

Voltage options:	DC 24V AC 230V
Voltage tolerance:	-10% to +25%
Power:	DC 2.8W AC 2.5VA
Frequency:	AC 50/60Hz
Cycles per minute:	2000 cpm max
Duty cycle:	100%
Temperature range:	-10°C min to +50°C max
Insulation class:	F (155°C)
Protection:	IP 6 5
Electrical apparatus code:	CENELEC E Ex m II T6
Connection socket:	Sealed flying lead 1.2m
Manual override:	Standard
LED indicator:	Not fitted
Media:	Compressed air, neutral gases
Main pressure range:	2(3) to 8 bar max

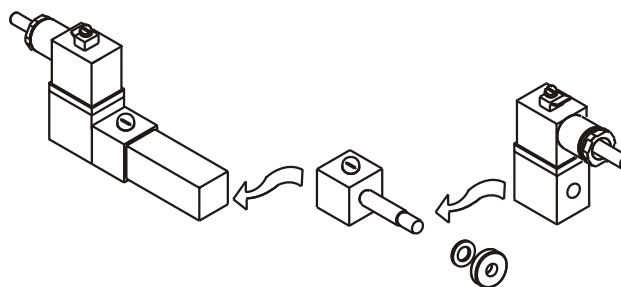
Description

These special CENELEC approved solenoid pilot valves can be factory assembled to a variety of KV spool valves.

This enables the spool valves to be used in a variety of hazardous environments.

For specific pneumatic valve data refer to pneumatic valve section of this catalogue.

For more detailed product information consult KV technical sales.



Ordering Information:
Consult Technical Sales



Explosion protected pilot solenoid operator - Ex m

The pilot solenoid operator contains a CENELEC apparatus code explained below.

CENELEC electrical apparatus code for explosion protected solenoid valves from KV

- E** = European certified
Ex = Explosion protected apparatus
m = Method of protection
Encapsulation, Zone 2
II = Surface industry
C = Gas group
Hydrogen, Most Severe Hazard
T6 = Temperature class
85°C, Most Severe Hazard

The CENELEC apparatus code designates the units suitable for use in hazardous areas, zone 2.

Encapsulation: m

This method encloses in a compound all parts that could ignite an explosive atmosphere by either sparking or heating in such a way that the explosive atmosphere cannot be ignited, i.e. there is no direct contact between the hazard and such components.

Zone	Method of protection	Code letter
0	Intrinsic safety 'a' (2 faults)	ia
1	Any method of protection suitable for Zone 0 and the following: Encapsulation Increased safety Flameproof Intrinsic safety 'b' (1 fault) Special protection	*m *e d ib p
2	Any method of protection suitable for Zone 0 or 1 and the following: N-type Oil filled Sand filled	n o q

* Methods of protection offered through KV Ltd Solenoid valves