ASÇA^m

OPERATORS

for potentially explosive atmospheres II 2G Ex mb IIC T6.. T3 Gb/ II 2D Ex mb IIIC T85°C..T200°C Db, IP67 encapsulated enclosure with integrated cable

(EMXX)

FEATURES

- Explosion proof operator, intended for use in potentially explosive atmospheres according to Directive ATEX 2014/34/EU
- EC type examination certificate (BAS 98 ATEX 2168 X) and IECEx certificate (IECEx SIR 06.0109X) are in compliance with the International and European Standards EN-IEC 60079-0 and EN-IEC 60079-18
- Easy electrical installation by means of the moulded-in supply cable, standard length 2 meters
- A thermal fuse is fitted in the coil winding and any excessive heating due to prolonged over-voltage or a locked core will cause the thermal fuse to operate
- Ingress protection degree (IP67)
- · A wide range of valves can be supplied with the operator

CONSTRUCTION

Solenoid enclosure Core, tube, springs & plugnut Stainless Steel **Shading coil** Copper or Silver Nameplate Polyester Connection Integral 3 core tube

ELECTRICAL CHARACTERISTICS

Standard voltages:

DC (=): 24V - 48V

AC (~): 24V - 48V - 115V - 230V / 50 Hz (Other voltages and 60 Hz on request)

Epoxy encapsulated

SAFETY CODE

II 2G Ex mb IIC T6 to T3 Gb (gas) II 2D Ex mb IIIC 85°C to 200°C Db IP67 (dust)

TEMPERATURE CLASSIFICATION TABLES

The minimum allowable ambient temperature is -40°C for the operator. Select the requested "T" classification from the temperature classification tables (AC or DC), respecting the maximum ambient temperature and cold (20°C) electrical holding power values.

AC (~) Solenoids

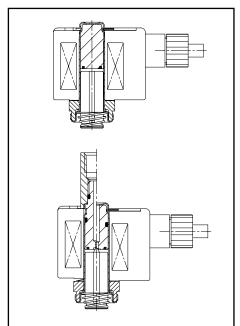
		maximum ambient ⁽¹⁾ temp. "T" classification							
power level (watt)	insulation class	T6 (G) 85°C (D)	T5 (G) 100°C (D)	T4 (G) 135°C (D)	T3 (G) 200°C (D)				
Reduced power (RP)									
4,05 F		-	-	-	65°C				
Basic power (BP)									
10,5	F	-	-	-	65°C				

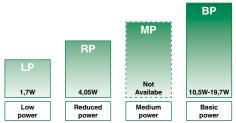
DC (=) Solenoids

nower		maximum ambient ⁽¹⁾ temp. "T" classification								
power level (watt)	insulation class	T6 (G) 85°C (D)	T5 (G) 100°C (D)	T4 (G) 135°C (D)	T3 (G) 200°C (D)					
Low power (LP)										
1,7	1,7 F		65°C -		-					
Basic power (BP)										
11,2	F	-	-	65°C	70°C					
19,7	F	-	-	40°C	70°C					

⁽¹⁾ Make sure that the selected ambient temperature does not exceed the allowable valve temperature characteristics as specified on the appropriate valve catalogue sheets







POWER LEVELS - cold electrical holding values (watt)



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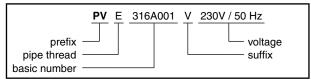


PREFIX TABLE

prefix					description	power level			el		
1	2	3	4	5	6	7		LP	RP	MP	BP
Р	٧						Encapsulated epoxy moulded (EN/IEC 60079-18)*	•	•	-	•
						Х	Other special constructions	•	•	-	•

- Available feature
- Not available
- * ATEX solenoids are also approved according to EN 13463-1 (non electrical valves)

ORDERING EXAMPLES VALVES:



PRODUCT SELECTION GUIDE

(The selection can only be made in conjunction with the appropriate valve catalogue sheet)

STEP 1

Select basic valve catalogue number, including pipe thread indentification letter from one of the specification tables on the separate catalogue pages.

Example: E316A001

STEP 2

Select voltage. Refer to standard voltages on page 1. Example: 230V / 50Hz

STEP 3

Select solenoid prefix (combination). Refer to the prefix table on this page and respect the indicated power level, cold electrical holding values and "T" classification mentioned on page 1. NOTE: Make sure that the ambient temperature does not exceed the allowable valve temperature characteristics.

Example:

P۷

65°C ambient Basic Power (BP) 10.5W II 2G Ex mb IIC T3 Gb II 2D Ex mb IIIC T200°C Db

STEP 4

Final catalogue / ordering number.

Example:

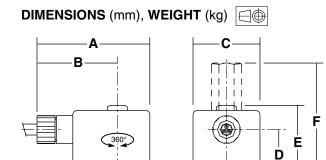
PV E316A001 230V / 50 Hz

ADDITIONAL OPTIONS

· Various lead lengths from 1 meter up to 10 meters

INSTALLATION

- Multi language installation/maintenance instructions are included with each valve
- The solenoid operators can be mounted in any position without affecting operation (with the exception of manual reset versions)
- \bullet $\,$ The operator can be rotated 360° to select the most favourable position for cable entry
- . The solenoid shall be protected by a fuse capable of interrupting the prospective short circuit current



type	Α	В	С	D	E	F	weight		
PV-MXX	75	53,5	44,5	33,6	49,4	77,3	0,348		