

FEATURES

- Explosionproof operator intended for use in potentially explosive atmospheres according to ATEX Directive 94/9/EC
EC type examination certificate no.: **BAS 98 ATEX 2168 X**
IECEX Certificate of Conformity no.: **IECEX SIR 06.109X**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with the International and European Standards EN-IEC 60079-0, EN-IEC60079-18, EN-IEC 61241-0 and EN-IEC 61241-18
- Easy electrical installation with moulded-in supply cable, 2 m long
- Ingress protection degree IP67
- The operators are designed for installation on a wide range of valves

CONSTRUCTION

Solenoid enclosure
Core tube
Plugnut
Shading coil
Nameplate
Safety code

Epoxy encapsulated
Stainless steel
Stainless steel
Copper or silver
Polyester
IECEX / II 2 G Ex mb II T6 .. T3
IECEX / II 2 D Ex mD 21 IP67 T85°C .. T200°C



ELECTRICAL CHARACTERISTICS

Standard voltages
(Other voltages and 60 Hz on request)

DC (=) : 24V - 48V
AC (~) : 24V - 48V - 115V - 230V / 50 Hz

TEMPERATURE CLASSIFICATION TABLES

AC solenoids (~)

Pn (watt)	solenoid size		maximum ambient °C ⁽¹⁾			
	EM5	EMXX	surface temperature			
			T6	T5	T4	T3
			85°C	100°C	135°C	200°C
insulation class F (155°C) 100% E.D.						
2,5	•				60	65
4,0 ⁽²⁾	•				60	65
4,05		•				65
6,3 ⁽³⁾	•					65
10,5	•					65
insulation class F (155°C) 10% E.D.						
10,0	•					65

DC solenoids (=)

Pn (watt)	solenoid size		maximum ambient °C ⁽¹⁾			
	EM5	EMXX	surface temperature			
			T6	T5	T4	T3
			85°C	100°C	135°C	200°C
insulation class F (155°C) 100% E.D.						
1,7		•	65			
3,0 ⁽⁴⁾	•			40	60	60
6,9 ⁽⁵⁾	•					40
8,6	•					40
11,0		•			65	
11,2		•			65	70
19,7		•			40	70
insulation class F (155°C) 10% E.D.						
15,0	•					40
22,0	•					40

Check the wattage compatibility with the product selected.

⁽¹⁾ Allowable minimum ambient temperature: -40°C. Actual temperature range may be limited depending on valve operation limits.

⁽²⁾ AC series 189 - 189 banjo - 256/356 (1/8-1/4) - 551 integrated pilot - 238 (3/8 to 1)

⁽³⁾ AC series 552/553

⁽⁴⁾ DC series 189 - 189 banjo - 551 integrated pilot

⁽⁵⁾ DC series 552 - 553 - 256/356 1/8-1/4 - 238 (3/8 to 1)

CONNECTIONS

- The solenoid can be rotated through 360° to select the most favourable position for the cable.

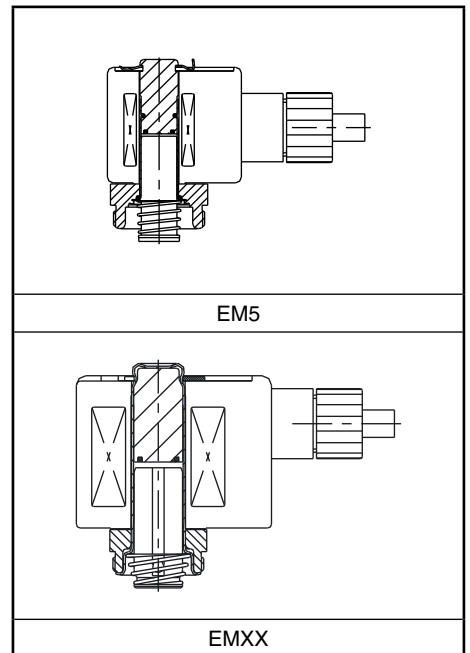
ORDERING INFORMATION ON EXCEPTIONS

- PV + 18901... , for series: 189 - 189 banjo

Example: **PV** 18901001 230V/50 Hz
PV 18901010 24V/DC
PV 18901032 230V/50 Hz
PV 18901047 24V/DC

- PV + TPL number 20787 , for series: 551 integrated pilot - 238 (floating diaphragm, 3/8 to 1, catalogue nos. including the lettersA or B...) - 256/356 1/8

Example: **PVX** G551A005 24V/DC **20787**
PVX G551A006 48V/DC **20787**
PVX G551A017 24V/50 Hz **20787**
PVX G551A018 48V/50 Hz **20787**
PVX G551A001 115V/50 Hz **20787**
PVX E238A001 230V/50 Hz **20787**
PVX E238B008 24V/DC **20787**
PVX G256A002VMS 24V/DC **20787**
PVX G356A002VMS 230V/50 Hz **20787**

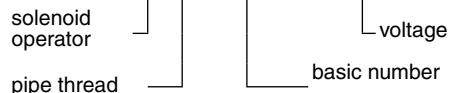


ORDERING INFORMATION

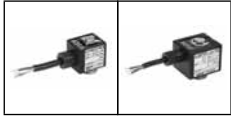
(See Ordering Information on Exceptions)

A valve with the explosionproof operator will be identified with the prefix PV before the catalogue number.

Example: **PV E 210D095 230V/50 Hz**

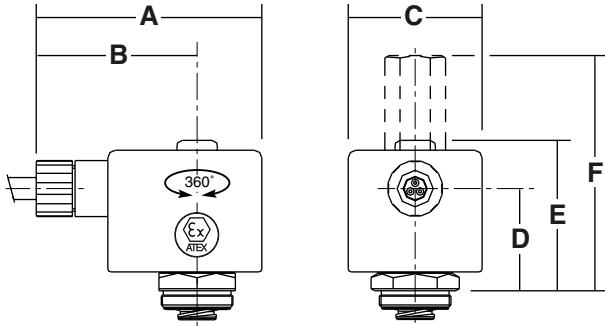


DIMENSIONS (mm), WEIGHT



TYPE PV

Prefix "PV" solenoids
Epoxy coated
EN 60079-18 and EN 61241-18
II 2 G Ex mb II - II 2 D Ex mD 21 IP67



size	A	B	C	D	E	F	weight ⁽¹⁾
EM5	60	45	29	21	38,5	66	0,113
EMXX	75	53,5	44,5	33,6	49,4	77,3	0,348