

FEATURES

- Explosionproof operator for use in potentially explosive atmospheres according to ATEX-Directive 2014/34/EU
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 and EN-IEC 60079-18
- 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 2G Ex mb IIC T5..T3 Gb

IECEx / II 2D Ex mb IIC 100°C ..200°C Db IP67

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 85°C	T5 100°C	T4 135°C	T3 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 85°C	T5 100°C	T4 135°C	T3 200°C
insulation class F (155°C) 100% E.D.								
1,7		●			65	-	-	-
3,0 ⁽⁴⁾	●				-	40	60	60
6,9 ⁽⁵⁾	●				-	-	-	40
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.

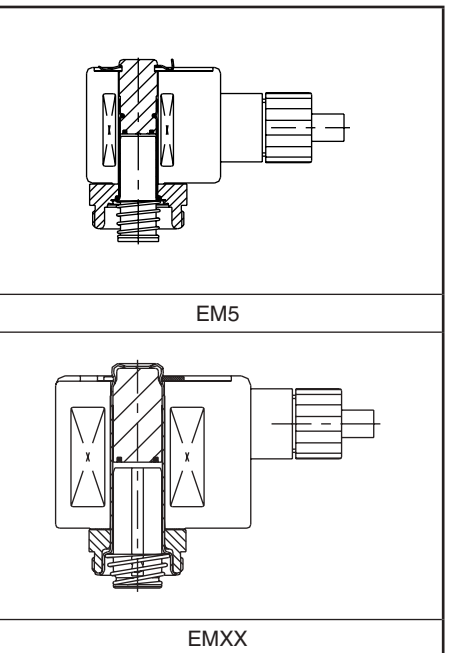
ORDERING INFORMATION ON EXCEPTIONS

- **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 letterD...) - 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 E238D001 230V/50 Hz **20787**
PVX E238D008 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

solenoid operator voltage
 pipe thread basic number

A valve supplied with the explosionproof operator will be identified with electrical interface A7 in the 15-digit product code.

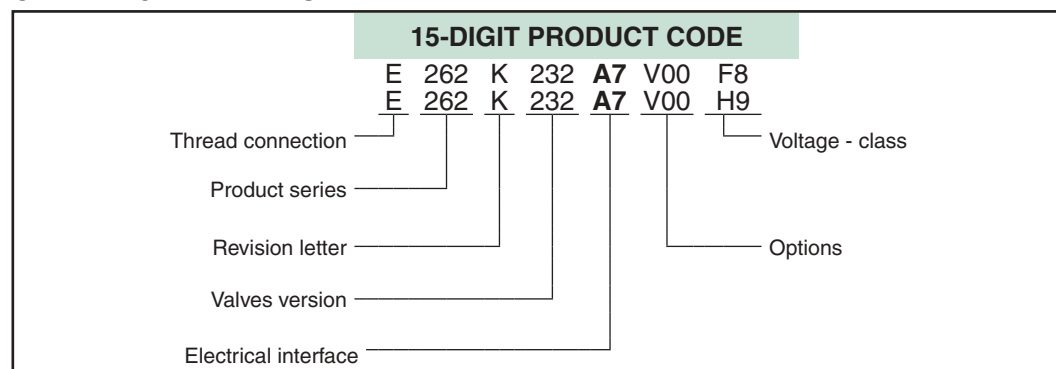
15-DIGIT PRODUCT CODE

E **262** **K** **232** **A7** **V00** **H1**
 Thread connection Product series Revision letter Valves version Electrical interface Options
 Voltage-class

All leaflets are available on: www.asco.com

Explosionproof equipment - 7

ORDERING EXAMPLES:

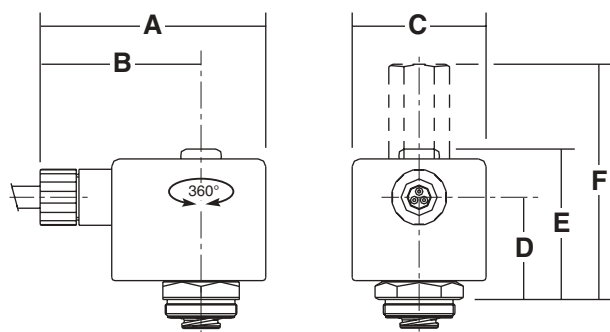


DIMENSIONS (mm), WEIGHT



TYPE PV

Prefix "PV" solenoids / Electrical interface A7
Epoxy coated
EN-IEC 60079-18
II 2G Ex mb IIC Gb - II 2D Ex mb IIIC Db 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