



OPERATORS

for potentially explosive atmospheres
increased safety/encapsulation
II 2G Ex e mb IIC T4 Gb, II 2D Ex tb IIIC T135°C Db IP67
moulded enclosure



Series
WBLP

FEATURES

- Explosionproof operator for use in potentially explosive atmospheres according to ATEX-Directive 2014/34/EU
EU type examination certificate no.: **LCIE 12 ATEX 3005 X**
IECEX Certificate of Conformity no.: **IECEX LCI 12.0002X**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with the International and European Standards EN-IEC 60079-0, EN-IEC 60079-7, EN-IEC 60079-18 and EN-IEC 60079-31
- Easy electrical installation by means of a screw terminal coil
- Peak voltage suppression standard for DC executions
- The coil winding is fitted with a thermal fuse (in AC/DC) which will trip in case of excessive temperature due to prolonged overvoltage or a blocked core and cause the valve to de-energise and fail-safe
- Enclosure provided with integral strain relief for cable with an O.D. of 7 to 8,5 mm
- Ingress protection degree IP67
- A wide range of valves can be supplied with the operator

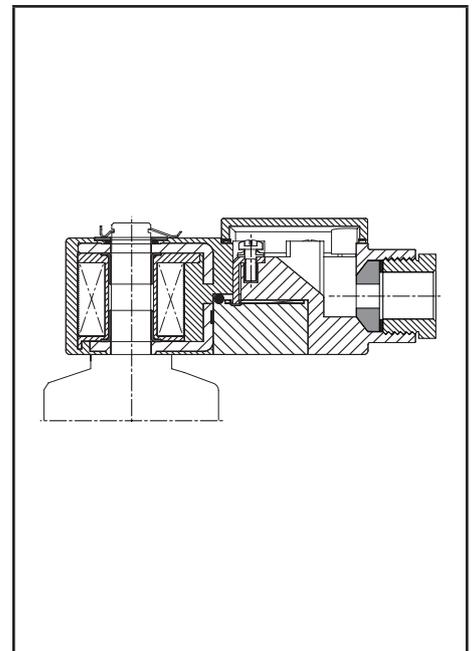


CONSTRUCTION

| | |
|---------------------------|---|
| Solenoid enclosure | PBT |
| Cable gland | PA 66, M20 x 1,5 |
| Nameplate | Polyester |
| Coil connection | Embedded screw terminals |
| Safety code | II 2G Ex e mb IIC T4 Gb II 2D Ex tb IIIC T 135°C Db IP67 |

ELECTRICAL CHARACTERISTICS

| | |
|--------------------------|---|
| Standard voltages | DC (=) : 24V - 48V |
| | AC (~) : 24V-48V-115V-230V / 50 Hz |
| | 24V-48V-100V-115V-200V-230V / 50-60 ⁽¹⁾ Hz |
| | ⁽¹⁾ For the 256/356 & 238 series the MOPD may be reduced at 60 Hz, please contact your local Sales office. |



TEMPERATURE CLASSIFICATION TABLES

| AC (~) solenoids | | | | DC (=) solenoids | | | |
|--------------------------------------|---------------|--|--|--------------------------------------|---------------|--|--|
| Pn (watt) | solenoid size | | | Pn (watt) | solenoid size | | |
| | WBLP | | | | WBLP | | |
| | | | maximum ambient °C ⁽¹⁾ surface temperature | | | | maximum ambient °C ⁽²⁾ surface temperature |
| | | | T4 135°C | | | | T4 135°C |
| insulation class F (155°C) 100% E.D. | | | | insulation class F (155°C) 100% E.D. | | | |
| 3,5 ⁽²⁾ | ● | | 65 | 4 | ● | | 65 |

Check the wattage compatibility with the product selected.

⁽²⁾ The minimum allowable ambient temperature is -40°C for the operator. Actual temperature range can be limited depending on valve operation limits.

CONNECTIONS

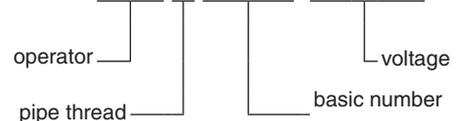
- Internal and external earthing connection
- The operator can be rotated through 360° to select the most favourable position for cable entry

ORDERING INFORMATION

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

Example:

WBLP G 551A005 230V/50 Hz
WBLP G 553A005 230V/50 Hz

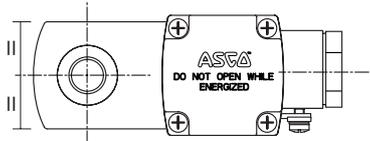
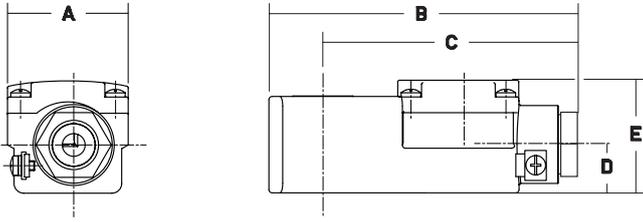


DIMENSIONS (mm), WEIGHT (kg)



TYPE WBLP

Prefix "WBLP" solenoids
 EN-IEC 60079-7, EN-IEC 60079-18 and EN-IEC 60079-31
 II 2G Ex e mb IIC T4 Gb, II 2D Ex tb IIIC T135°C Db IP67



| prefix | A | B | C | D | E | weight |
|--------|----|----|------|----|------|--------|
| WBLP | 37 | 98 | 81,5 | 15 | 35,2 | 0,18 |



ACCESSORIES

Supply rail with pressure isolation valves
 Aluminium
 Inlet G 1/2, outlets G 1/4



supply rail for «n» valves with end pieces and low 65 mm mounting brackets

| number of outlets | 4 | 6 | 8 | 10 | 12 | 15 |
|-------------------|----------|----------|----------------|----------------|----------------|----------------|
| catalogue number | 88100970 | 88100971 | ⁽¹⁾ | ⁽¹⁾ | ⁽¹⁾ | ⁽¹⁾ |
| L (mm) | 177 | 259 | 341 | 423 | 505 | 628 |

⁽¹⁾ Contact us.

