



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
EC 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

Cable gland

Nameplate

Coil connection

Safety code

PBT

PA 66, M20 x 1,5

Polyester

Embedded screw terminals

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ELECTRICAL CHARACTERISTICS

Standard voltages

DC (=) : 24V - 48V

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

TEMPERATURE CLASSIFICATION TABLES

AC (~) solenoids

Pn (watt)	solenoid size				maximum ambient °C ⁽¹⁾
	WBLP				surface temperature
					T4 135°C
insulation class F (155°C) 100% E.D.					
3.5 ⁽²⁾	●				65

DC (=) solenoids

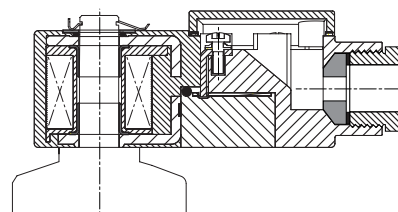
Pn (watt)	solenoid size				maximum ambient °C ⁽¹⁾	
	WBLP				surface temperature	
					T4 135°C	
insulation class F (155°C) 100% E.D.						
4	●				65	

Check the wattage compatibility with the product selected.

⁽¹⁾ 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

operator — voltage
pipe thread — basic number

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

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Ижевск (3412)26-03-58
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Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
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Красноярск (391)204-63-61
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
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Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

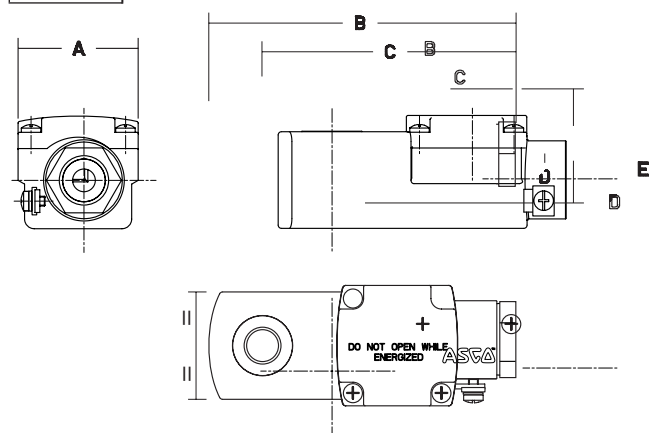
Сургут (3462)77-98-35
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Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
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Череповец (8202)49-02-64
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DIMENSIONS (mm), WEIGHT (kg)



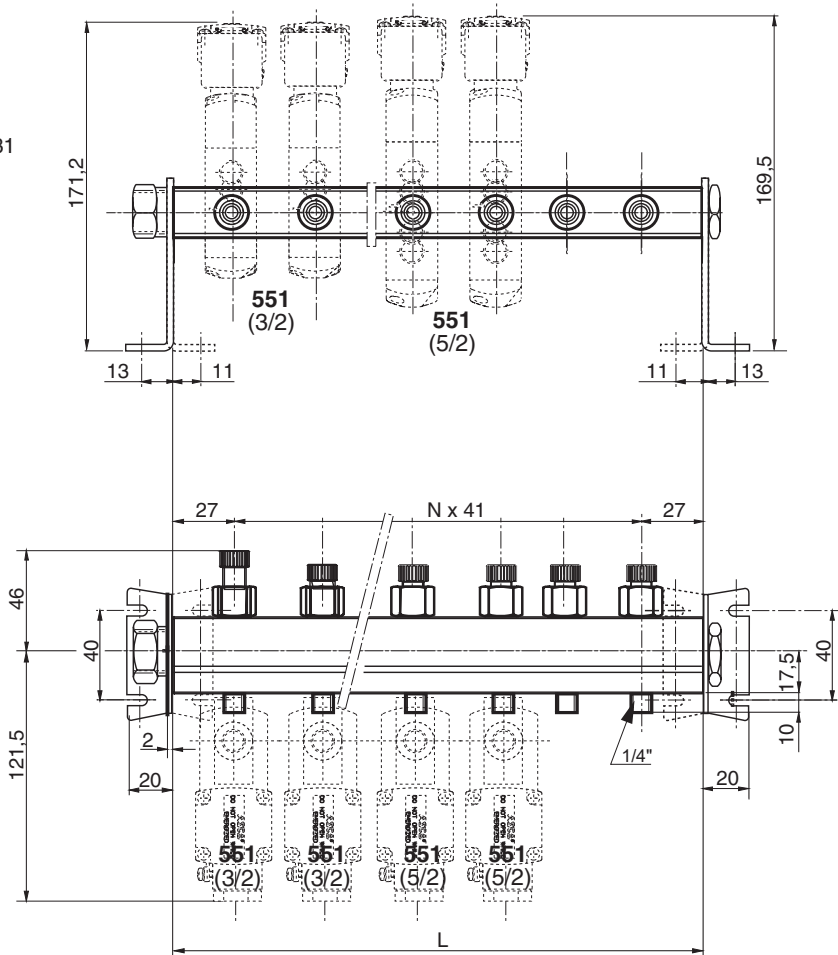
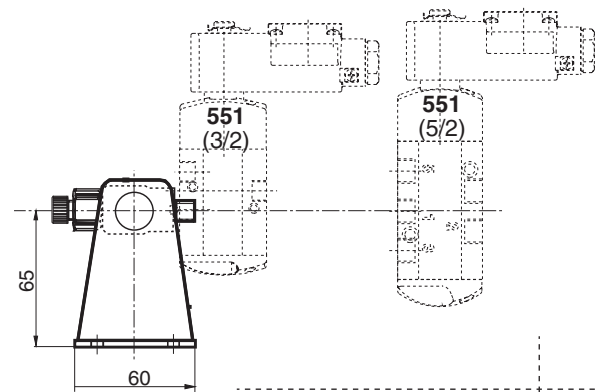
TYPE WBLP

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



ACCESSORIES

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



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

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.

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