



Product & Installation Instructions

Solenoid Valve NC 1.5W

PRD0310E01en

Description

UWE Solenoid valve is used in the MPV 6 system. It is a new addition to the many fine products we manufacture for climate control systems for buses. The solenoid valve is used in combination with a pneumatic water valve to regulate the flow to heating circuits.

Some of the features are:

- Contact with knock-out (single/double wire cable)
- reduced power needs (1.5 watts)
- direct bolted to air manifold
- internal air connections
- noise suppression
- IP 67 rating

This product information covers the description, technical data, spare parts, and installation of the solenoid valve.



Figure: UWE solenoid valve

Technical Data

Technical performance

System working pressure	4 bar to 10 bar
Max static pressure limit	12 bar
3/2 NC valve	Max external leakage (2ml/min free air)
Component life	Full strokes (open-close) 15-million

Electrical features:

Voltage	24 VDC (19.2-31.2 volts)
Power consumption	Max 1.5 watts
Connection time	100% ED

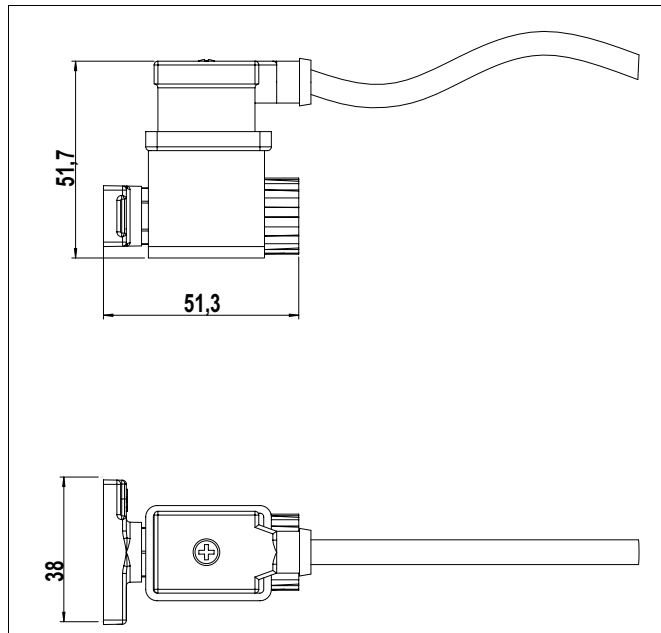
Material:

Housing	Brass
Magnetic pipe	Brass
Magnetic plunger	Stainless steel
Sealings	Viton
Spool	In fibreglass reinforced Nylon

Environmental factors

Temperature range	-35°C to +95°C
Humidity	100% relative moisture
Dust/water resistance	IP67







Dimensions:



General:

Air channel diameter	Ø 0.5mm
Protection class	IP 67 with electric contact
Insulation class	F

Spare Parts and Accessories

Item	Description	Illustration	Part number
Solenoid valve with coil			
1	Solenoid valve & coil		18252
Accessories			
2	Coil UWE 24VDC 1.5W		17949
3	Cable contact 24V 1m cable		11899
4	Cable contact PG9 24V without cable		6963 1160 909
5	Cable contact LED/VDR without cable		14581
6 & 7	6. Hat-nut for solenoid valve 7. Hat-nut (center hole) for solenoid valve		11898 14293

Installation

Introduction

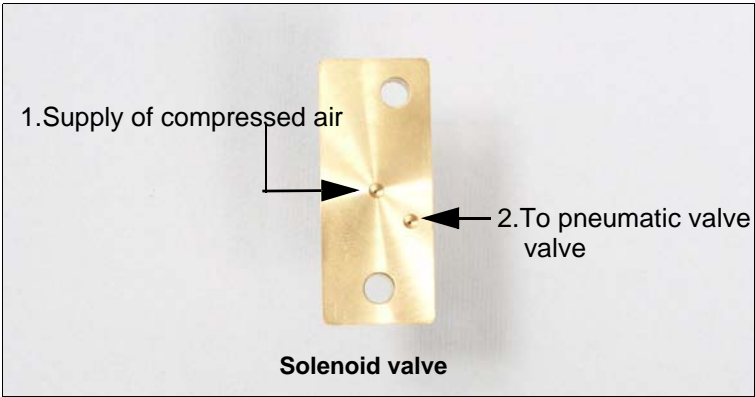
- This instruction is applicable for UWE solenoid valve.
- Remove all packaging and check that the goods supplied are not damaged.
- Check that the articles supplied correspond with those specified on the delivery note.



Read through the documentation attached to the product before starting installation work. Operation and performance are only guaranteed on the condition that the instructions contained in this document are observed.

Connection of air supply

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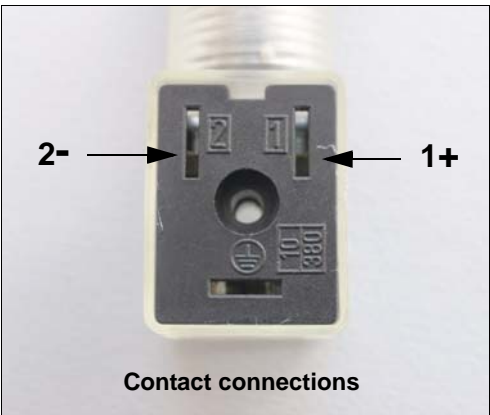
Connection of 24V

Connection to cable contact with LED

Polarity	Position on cable contact
24VDC (+)	1
24VDC (-)	2



It is important that you attach with the correct polarity when you connect with LED (14581). When connecting contact without LED, the polarity is not important.



NOTE! If there is a connection for earth, this must be left disconnected.