

Pilot valve, Series ES05

R422103854

2024-12-16

Series ES05

$Q_n = [[200 \dots 310] \text{ l/min}]$



Technical data

Industry

Activation

Note

Industrial

Electrically

Pilot valve with external electrical connection

Single wiring

Min. control pressure

3 bar

Max. control pressure

8 bar

Electrical connection size

M8x1

Electrical connection number of poles

3-pin

Operational voltage

24 V DC

Operational voltage DC

24 V

Voltage tolerance DC

-15 % / +10 %

Coil width

15 mm

Power consumption DC

2 W

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Duty cycle	100 %
Min. ambient temperature	5 °C
Max. ambient temperature	50 °C
Min. medium temperature	5 °C
Max. medium temperature	50 °C
Mounting screws	Hexalobular socket (TORX) ISO 10664-10
Mounting screw tightening torque	0.9 Nm
Tightening torque tolerance	±0,1 mT
Delivery unit	1 piece

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber

Part No.	R422103854
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Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

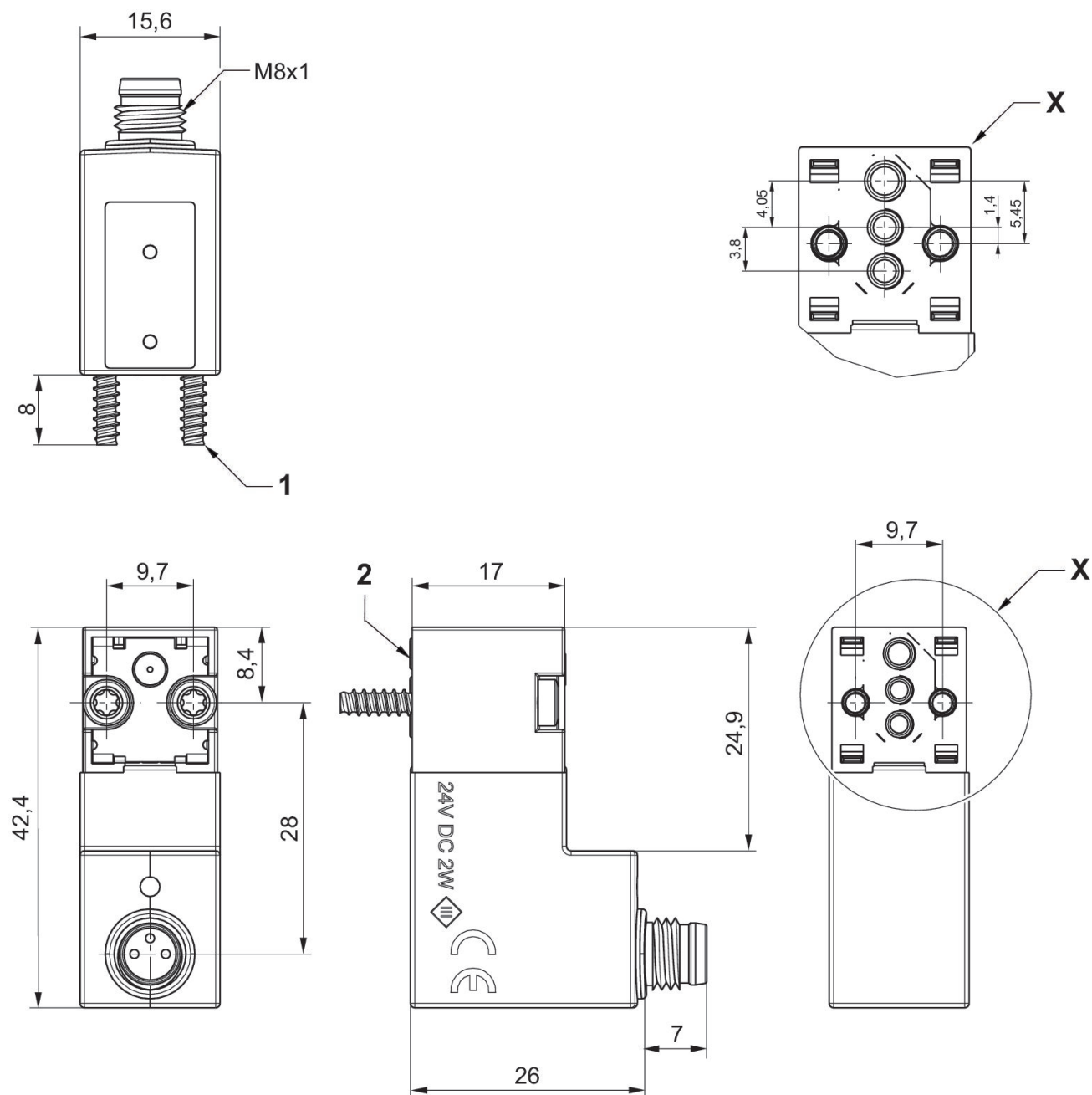
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

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Dimensions



- 1) Screws for plastic Ø3
2) rotatable 90°

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PIN assignment for valve plug connectors



Pin assignment (1) Pin not assigned (3) 0 V (4) 24 V (5) LED Note: Bipolar protective circuit to prevent overvoltage