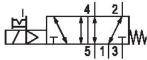
5/2-directional valve, Series CD07 R432016582

General series information AVENTICS Series CD07 Directional valves

The AVENTICS Series CD consists of various spool valves with an extremely durable die-cast zinc housing. Its electrical, pneumatic, or mechanical actuating controls (roller, lever, pedal, or plunger) make the Series CD ideal for applications in harsh environments.





Technical data

Industry Activation Frame size Valve type Switching principle Actuating control Sealing principle Connection type Manual override

Compressed air connection Standard compressed air connection Compressed air connection input Compressed air connection output Compressed air connection, exhaust Pilot control exhaust Industrial Electrically CD07 - inch Spool valve, positive overlapping 5/2, with spring return Single Solenoid soft seal Pipe connection with detent

1/4 NPTaccording to ISO 228-11/4 NPT1/4 NPT1/4 NPTwith directional pilot air exhaust



Nominal flow Qn1200 l/minNominal flow Qn 1 to 21200 l/minNominal flow Qn 2 to 31200 l/minWorking pressure max10 barControl pressure max10 barControl pressure max10 barControl pressure max10 barElectrical connection typePlugElectrical connection number of poles3-pinConnector standardEN 175301-803, form AElectrical connection number of poles3-pinConnector standardProtected against polarity reversalOperational voltage AC at 50 Hz110 VVoltage tolerance AC 50 Hz110 VVoltage tolerance AC 60 Hz110 VVoltage tolerance AC 60 Hz110 VVoltage tolerance AC 60 Hz3.7 VAHolding power AC 50 Hz3.7 VASwitch-on power AC 60 Hz3.7 VASwitch-on power AC 60 Hz3.7 VASwitch-on power AC 60 Hz6.4 VASwitch-on time25 msTyp. switch-off time45 msMin. ambient temperature-15 °CMax. ambient temperature-15 °CMax. ambient temperature-15 °CMax. ambient temperature50 °CMin. medium temperature50 °CMin. medium temperature50 °CMin. medium temperature-15 °CMax. medium temperature50 °CMin. medium temperature-15 °CMax. medium temperature-15 °CMax. medium temperature-15 °CMax. medium temperature-15 °CMax. medium tem	Compressed air connection pilot exhaust	M5
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Max. ambient temperature50 °CMin. medium temperature-15 °CMax. medium temperature50 °CMediumCompressed air	Min. ambient temperature	-15 °C
Max. medium temperature50 °CMediumCompressed air	Max. ambient temperature	50 °C
Medium Compressed air	Min. medium temperature	-15 °C
·	Max. medium temperature	50 °C
Oil content of compressed air min. 0 mg/m ³	Medium	Compressed air
	Oil content of compressed air min.	0 mg/m³



Oil content of compressed air max.	1 mg/m³
Max. particle size	50 µm
Mounting on manifold strip	P-strip PRS strip
Weight	0.57 kg
Material	
Housing material	Polyamide fiber-glass

Seal material Part No. Polyamide fiber-glass reinforced Die cast zinc Acrylonitrile butadiene rubber R432016582

Technical information

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

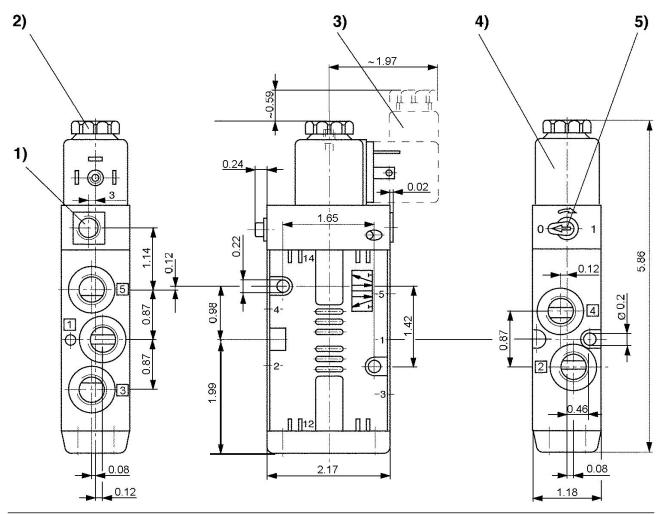
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

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).



Dimensions in inches



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector

4) Coil can be plugged at 45° intervals 5) Manual override

