

DF-MS

CE
IO-Link
UL US LISTED

Continuous detection sensor of the piston rod's position, for direct mounting on cylinders with T-slot fixing.

ISO 15552 - KE/KD/KL series
 UNITOP - RP/RO series
 ISO 21287 - RM/RN series
 STRONG - RS/RQ series
 OVAL - OV series
 SHORT STROKE - W series
 GUIDED COMPACT - JLE series

Available with analog exit or IO-LINK.

Button Teach-In for measuring range regulation.

Possibility of mounting on tie-rod cylinders or on round cylinders, with special brackets.

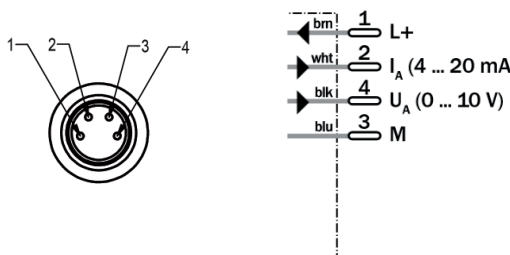
Type	ANALOG	IO-Link
Part no.	DF-MS	
Stroke measuring range (± 1 mm)	5÷256 mm depending on the model	
Voltage	15÷30 V DC ripple max $\leq 10\%$ (24 V DC)	
Type of connection	M8 male 4P	
Sampling time	1 ms	
Resolution	0,03% FS ($\geq 0,05$ mm) ^(A)	
Linearity	0,3 mm	
Repeatability ^(B)	0,06% FS ($\geq 0,1$ mm) ^(A)	
Cylinder's traslation speed	< 3 m/s	
Exit function	analog 0-10 V	IO-LINK 4-20 mA
Overload protection	YES	
Short circuit protection	YES	
Reverse polarity protection	YES	
Max. load resistance (output current)	$\leq 500 \Omega$	
Min. load resistance (output voltage)	$\geq 2 K\Omega$	
Power consumption (without loading)	22 mA	25 mA
Protection class	III	
Protection degree	IP67	
Electromagnetic compatibility	according EN 60947-5-2	
Shock	30g/11 ms	
Vibrations	10 ... 55 Hz, 1 mm	
Ambient temperature	-20÷+70°C	
Container material	plastic	
LED, operating indication	yellow	

A) FS: Full-scale
 B) T = 25 °C, 24 V DC

CODIFICATION KEY

D	F	-	M	S	0	3	2	M	0	8
1			2			3				

1 Series	2 Measuring range	3 Connection
DF-MS = Magnetic position sensor	032 = 32 mm 160 = 160 mm 064 = 64 mm 192 = 192 mm 096 = 96 mm 224 = 224 mm 128 = 128 mm 256 = 256 mm	M08 = M8 connector analog and IO-Link exit

Electrical connections


No. Pin	Cable	Function
1	Brown	Supply port +
2	White	output current
3	Blue	Supply port -
4	Black	output current

DHF-P... DHF-P...


DHF-P24M08 M8 in-line connector 2 metres cable	DHF-P24M0890 M8 4pin-female 90° connector with 2 metres cable
DHF-P54M08 M8 in-line connector 5 metres cable	DHF-P54M0890 M8 4pin-female 90° connector with 5 metres cable