

DF

 Other available versions
 (M08-M12)

DF-220M08	DF-220M12
DF-330M08	DF-330M12
DF-440M08	DF-440M12
DF-770M08	DF-770M12

With 5 meters cable

DF-220L5

DF-330L5

With 10 meters cable

DF-220L10

DF-330L10

Cable extensions

DHF-033 M08 = 3 m M08

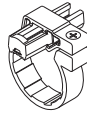
DHF-033 M12 = 3 m M12

DHF-053 M08 = 5 m M08

DHF-053 M12 = 5 m M12

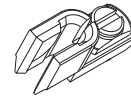
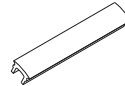
Type	ELECTROMECHANICAL REED			ELECTRONIC PNP
	DF-220	DF-330*	DF-440	DF-770
Part No.				
Working voltage (V AC/DC)	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V DC
Max switching current (mA)	100	100	100	100
Max switching power (W/VA)	3	3	3	3
Max voltage drop (V AC/DC)	<3,5	0,1	0,1	0,7
Minimum magnetic field (gauss)	60	60	60	30
Opening response time (ms)	< 0,5	< 0,5	< 0,5	0,08
Closing response time (ms)	< 1	< 1	< 1	0,03
Electric life with resistive load (cycles)	>10 ⁷	>10 ⁷	>10 ⁷	>10 ⁹
State indicator (LED)	red	red	red	red
Cable number and section (mmq)	2x0,14	3x0,14	3x0,14	3x0,14
Cable length (mm)	3000	3000	3000	3000
Electric circuit	A	C	D	C
Protection degree (EN60529)	IP67			
Working temperature (°C)	-20 ÷ +80			

*: NPN upon request (DF-330NPN 3 meters cable)

Fixing elements

DH-M10DF DH-M20DF
DH-M12DF DH-M25DF
DH-M16DF

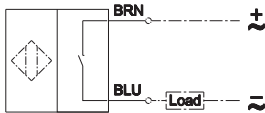
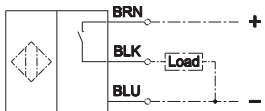
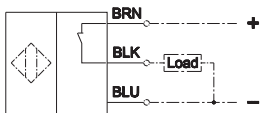
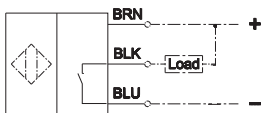
 Fixing bracket for
 M series cylinders

DH-K320DF

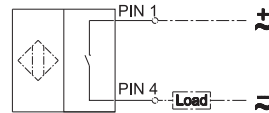
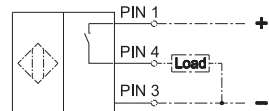
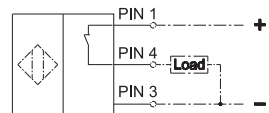
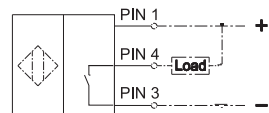
 Fixing bracket for
 K320 series cylinders

DF-001
 Cable clamping

DHF-0020100
 Covering strip

Electrical Circuit

Version with cable

A AC/DC 2 wires NO

C DC 3 wires PNP NO

D DC 3 wires PNP NC

E DC 3 wires PNP NC

 BRN = Brown
 BLK = Black
 BLU = Blue

Version with connector

A AC/DC 2 wires NO

C DC 3 wires PNP NO

D DC 3 wires PNP NC

E DC 3 wires PNP NC

 PIN 1 = Brown
 PIN 2 = White
 PIN 3 = Blue
 PIN 4 = Black

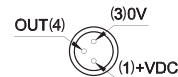
M08 2 wires



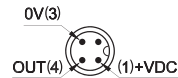
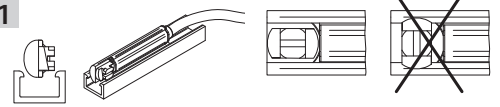
M12 2 wires



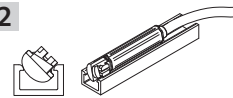
M08 3 wires



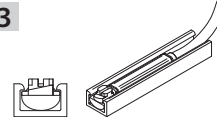
M12 3 wires


Assembly Scheme
1


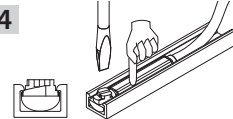
Put the sensor in the proper groove and make sure that the fastening plate has the slot for screwdriver along the sensor axis.

2


Put the sensor inside its groove and make sure that the fastening plate is on the open part of the groove.

3


Check the correct position of the sensor in the groove. Turn it to the wished position for detection.

4

 Keep the sensor in its position and screw the fastening plate to fix the sensor in the groove.
 Max torque: 0,5 ÷ 1 Nm