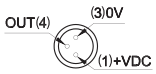
DF

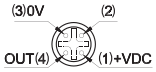
Type	ELECTROMECHANICAL			ELECTRONIC
Part No.	**DF-220**	**DF-330**	**DF-440**	**DF-770**
Working voltage (V AC/DC)	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V DC
Max switching voltage (mA)	100	100	100	100
Max switching power (W/VA)	3	3	3	3
Max voltage drop (V AC/DC)	<3,5	0,1	0,1	0,7
Minimum magnetic 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
Electric circuit	A	C	D	C
Protection degree (EN60529)	IP67			
Working temperature (°C)	-20 ÷ +80			

Other available versions (M08-M12)

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



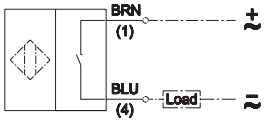
DF-220M12
DF-330M12
DF-440M12
DF-770M12



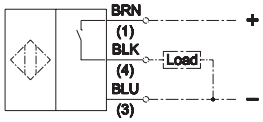
Cable extensions

DHF-033 M08 = 3 m M08
DHF-033 M12 = 3 m M12
DHF-053 M08 = 5 m M08
DHF-053 M12 = 5 m M12

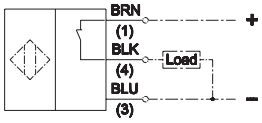
A **AC/DC** 2 wires **NO**



C **DC** 3 wires **PNP NO**

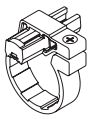


D **DC** 3 wires **PNP NC**



BRN = Brown **BLK** = Black **BLU** = Blue

Fixing



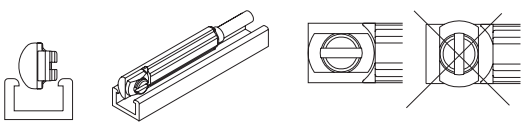
DH-M10DF **DH-M20DF**
DH-M12DF **DH-M25DF**
DH-M16DF
Fixing bracket for M series cylinders

DF-001
Cable clamping

DHF-0020100
Covering strip

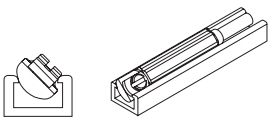
Assembly scheme

1



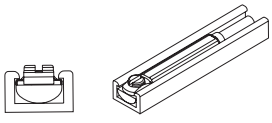
Put the sensor in the proper groove and make sure that the fastening plate has the slot for screwdriver along the sensor axis.

2



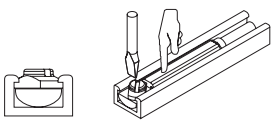
Put the sensor inside its groove and make sure that the fastening plate is on the open part of the groove.

3



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

4

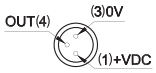


Keep the sensor in its position and screw the fastening plate to fix the sensor in the groove.
Max torque: 0,5 ÷ 1 Nm

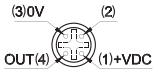
DH

Other available versions (M08-M12)

DH-200M08
DH-500M08
DH-700M08



DH-200M12
DH-500M12
DH-700M12

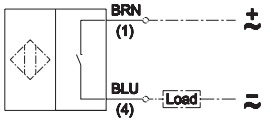


Cable extensions

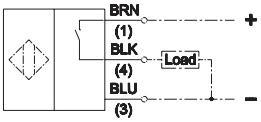
DHF-033 M08 = 3 m M08
DHF-033 M12 = 3 m M12
DHF-053 M08 = 5 m M08
DHF-053 M12 = 5 m M12

Type	ELECTROMECHANICAL			ELECTRONIC
Part No.	**KM-032000**	**DH-200**	**DH-500**	**DH-700**
Working voltage (V AC/DC)	5÷48 V AC/DC	5÷48 V AC/DC	5÷48 V AC/DC	10÷30 V DC
Max switching voltage (mA)	100	100	100	100
Max switching power (W/VA)	5	5	5	5
Max voltage drop (V AC/DC)	< 3,5	< 3,5	< 3,5	0,7
Minimum magnetic field (gauss)	85	85	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)	2x0,25	2x0,25	2x0,25	3x0,25
Electric circuit	A	A	A	C
Protection degree (EN60529)	IP65			
Working temperature (°C)	-20 ÷ +80			

A **AC/DC** 2 wires **NO**



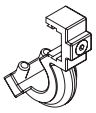
C **DC** 3 wires **PNP NO**



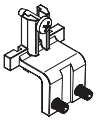
BRN = Brown **BLK** = Black **BLU** = Blue

Fixings

DH-M10 **DH-M20**
DH-M12 **DH-M25**
DH-M16
Fixing bracket for M series cylinders



DH-K032050
DH-K063125
DH-K160200
Fixing bracket for KE-K-KL series cylinders

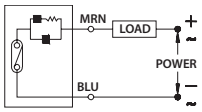


KM-032050-1
KM-063100-1
KM-125000-1
Fixing bracket for KM sensors on KE-K-KL series cylinders (upon request)

DH-S25
DH-S32
DH-S40
DH-S50
Fixing bracket for S1 series rodless cylinders

DF-R

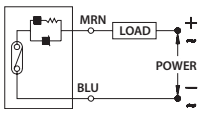
AC/DC 2 wires **NO**



Type	Reed	
Part No.	**DF-R200L02**	**DF-R200M08**
Working voltage (V AC/DC)	5 ÷ 120	5 ÷ 120
Max Switching voltage (mA)	100	100
Max Switching power (W/VA)	10	10
Shock resistance (G)	30	30
Max Voltage drop (V AC/DC)	2,5	2,5
Cable number and section (mmq)	2 x 2,8 (PVC)	2 x 2,8 (PVC)
Contact	NO	NO
Max Response time (ms)	1	1
Protection degree (NEMA 6)	IP67	IP67
State indicator (LED)	red	red
Working temperature (°C)	-10 ÷ +70	-10 ÷ +70

DF-T

AC/DC 2 wires **NO**



Type	Reed	
Part No.	**DF-T200L03**	**DF-T200M08**
Working voltage (V AC/DC)	5 ÷ 120	5 ÷ 120
Max Switching voltage (mA)	100	100
Max Switching power (W/VA)	10	10
Shock resistance (G)	30	30
Max Voltage drop (V AC/DC)	2,5	2,5 V
Cable number and section (mmq)	2 x 2,8 (PVC)	2 x 2,8 (PVC)
Contact	NO	NO
Max Response time (ms)	1	1
Protection degree (NEMA 6)	IP67	IP67
State indicator (LED)	red	red
Working temperature (°C)	-10 ÷ +70	-10 ÷ +70