

DF



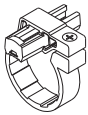
Other available versions (M08-M12)

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

■ Fixing elements

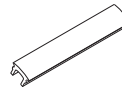


DH-M10DF DH-M20DF  
DH-M12DF DH-M25DF  
DH-M16DF

Fixing bracket for M series cylinders



DF-001  
Cable clamping

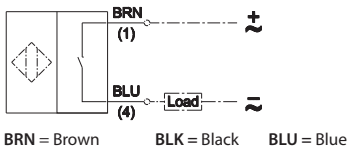


DHF-0020100  
Covering strip

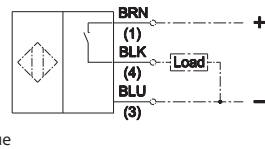
Type	ELECTROMECHANICAL			ELECTRONIC PNP
	DF-220	DF-330	DF-440	DF-770
Part No.				
Working voltage (V AC/DC)	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V AC/DC	5÷30 V DC
Max switching voltage (mA)	100	100	100	100
Max switching power (W/VA)	3	3	3	3
Max voltage drop (V AC/DC)	<3,5	0,1	0,1	0,7
Minimum magnetic field (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 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>9</sup>
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			

■ Electrical Circuit

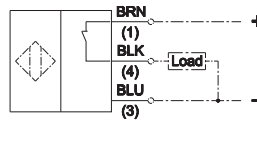
A AC/DC 2 wires NO



C DC 3 wires PNP NO



D DC 3 wires PNP NC



■ M08



■ M12



ASSEMBLY SCHEME

- Put the sensor in the proper groove and make sure that the fastening plate has the slot for screwdriver along the sensor axis.
- Put the sensor inside its groove and make sure that the fastening plate is on the open part of the groove.
- Check the correct position of the sensor in the groove. Turn it to the wished position for detection.
- 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-200M12  
 DH-500M08 DH-500M12  
 DH-700M08 DH-700M12

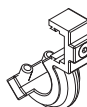
Cable extensions  
 DHF-033 M08 = 3 m M08  
 DHF-033 M12 = 3 m M12  
 DHF-053 M08 = 5 m M08  
 DHF-053 M12 = 5 m M12

Type	ELECTROMECHANICAL			ELECTRONIC PNP
	Part No.	KM-032000	DH-200	DH-500
Working voltage (V AC/DC)	5÷48 V AC/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 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>7</sup>	>10 <sup>9</sup>
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			

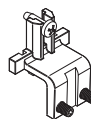
■ Fixing elements



**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/DF-T



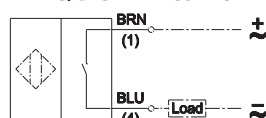
Type	ELECTROMECHANICAL		ELECTRONIC PNP	
	Part No.	DF-R200L02	DF-R200M08	DF-R700L02
Working voltage (V AC/DC)	5÷120 V AC/DC			
Max switching voltage (mA)	100	100	50	50
Max switching power (W/VA)	10	10	1,5	1,5
Shock resistance (G)	30	30	50	50
Max voltage drop (V AC/DC)	2,5	2,5	1,5	1,5
Cable number and section (mmq)	2 x 2,8 (PUR)	2 x 2,8 (PUR)	3x3 (PUR)	3x3 (PUR)
Cable length (mm)	2000	150	2000	150
Contact	NO	NO	NO	NO
Max response time (ms)	1	1	1	1
State indicator (LED)	red	red	green	green
Electric circuit	A	-	C	-
Protection degree (NEMA 6)	IP67			
Working temperature (°C)	-10 ÷ +70			



Type	ELECTROMECHANICAL		ELECTRONIC PNP	
	Part No.	DF-T200L03	DF-T200M08	DF-T700L03
Working voltage (V AC/DC)	5÷120 V AC/DC			
Max switching voltage (mA)	100	100	200	200
Max switching power (W/VA)	10	10	6	6
Shock resistance (G)	30	30	50	50
Max voltage drop (V AC/DC)	2,5	2,5 V	1	1
Cable number and section (mmq)	2 x 2,8 (PUR)	2 x 2,8 (PUR)	3 x 2,8 (PUR)	3 x 2,8 (PUR)
Cable length (mm)	3000	150	3000	150
Contact	NO	NO	NO	NO
Max response time (ms)	1	1	1	1
Protection degree (NEMA 6)	red	red	green	green
Electric circuit	A	-	C	-
State indicator (LED)	IP67			
Working temperature (°C)	-10 ÷ +70			

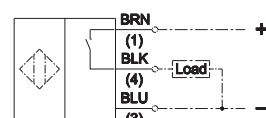
■ Electrical Circuit

**A AC/DC 2 wires NO**

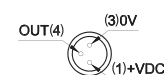


BRN = Brown BLK = Black BLU = Blue

**C DC 3 wires PNP NO**



**M8**



**M12**

