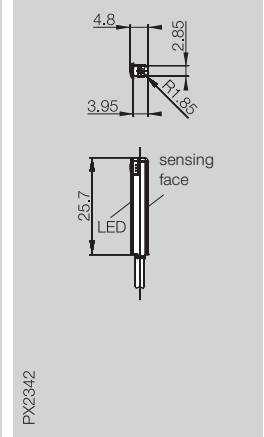
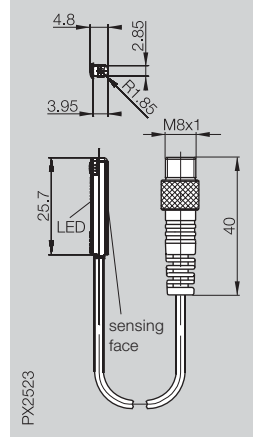


**Advantages**

- Can be inserted in C-slot from above,
- Proven circuitry from the BMF line:  
Low hysteresis, precise switching point, can be used for cylinders and grippers with strong or weak magnets
- Rugged, compact, low-profile housing
- Can be installed without mounting bracket in cylinders with C-slot e.g. Festo, SMC.

Series	<b>BMF 273</b>	<b>BMF 273</b>
Type	Connector for direct connection to distribution box	



PNP	NO	BMF 273K-PS-C-2A-SA2-S49-00,3	BMF 273K-PS-C-2A-PU-02
	NC	BMF 273K-PO-C-2A-SA2-S49-00,3	
NPN	NO	BMF 273K-NS-C-2A-SA2-S49-00,3	BMF 273K-NS-C-2A-PU-02
	NC	BMF 273K-NO-C-2A-SA2-S49-00,3	

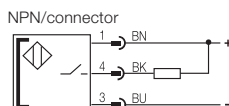
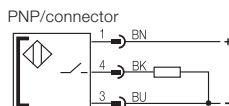
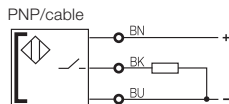
Rated operating field strength  H <sub>n</sub>	1.2 kA/m	1.2 kA/m
Assured operating field strength  H <sub>a</sub>	≥ 2 kA/m	≥ 2 kA/m
Hysteresis of  H <sub>n</sub>	≤ 45 %	≤ 45 %
Temperature drift of turn-on point of  H <sub>n</sub>	≤ 0.3 %/°C	≤ 0.3 %/°C
Turn-on delay	≤ 0.07 ms	≤ 0.07 ms
Turn-off delay	≤ 0.07 ms	≤ 0.07 ms
Supply voltage U <sub>B</sub>	10...30 V DC	10...30 V DC
Voltage drop U <sub>d</sub>	≤ 2.5 V	≤ 2.5 V
Rated insulation voltage U <sub>i</sub>	75 V DC	75 V DC
Rated operational current I <sub>o</sub>	100 mA	100 mA
No-load supply current I <sub>0</sub> max.	≤ 8 mA	≤ 8 mA
Polarity reversal protected	yes	yes
Short circuit protected	yes	yes
Ambient temperature range T <sub>a</sub>	-25...+70 °C	-25...+70 °C
Utilization category	DC 13	DC 13
Degree of protection per IEC 60529	IP 67	IP 67
Housing material	PBT	PBT
Connection	0.3 m PUR cable with connector	2 m PUR cable
No. of wires × cross-section		3×0.14 mm <sup>2</sup>
Approval	cULus	cULus
Recommended connector	BKS-B/S 48	

Other cable lengths on request.

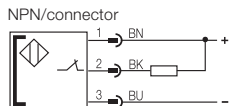
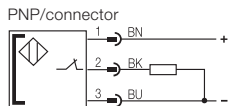


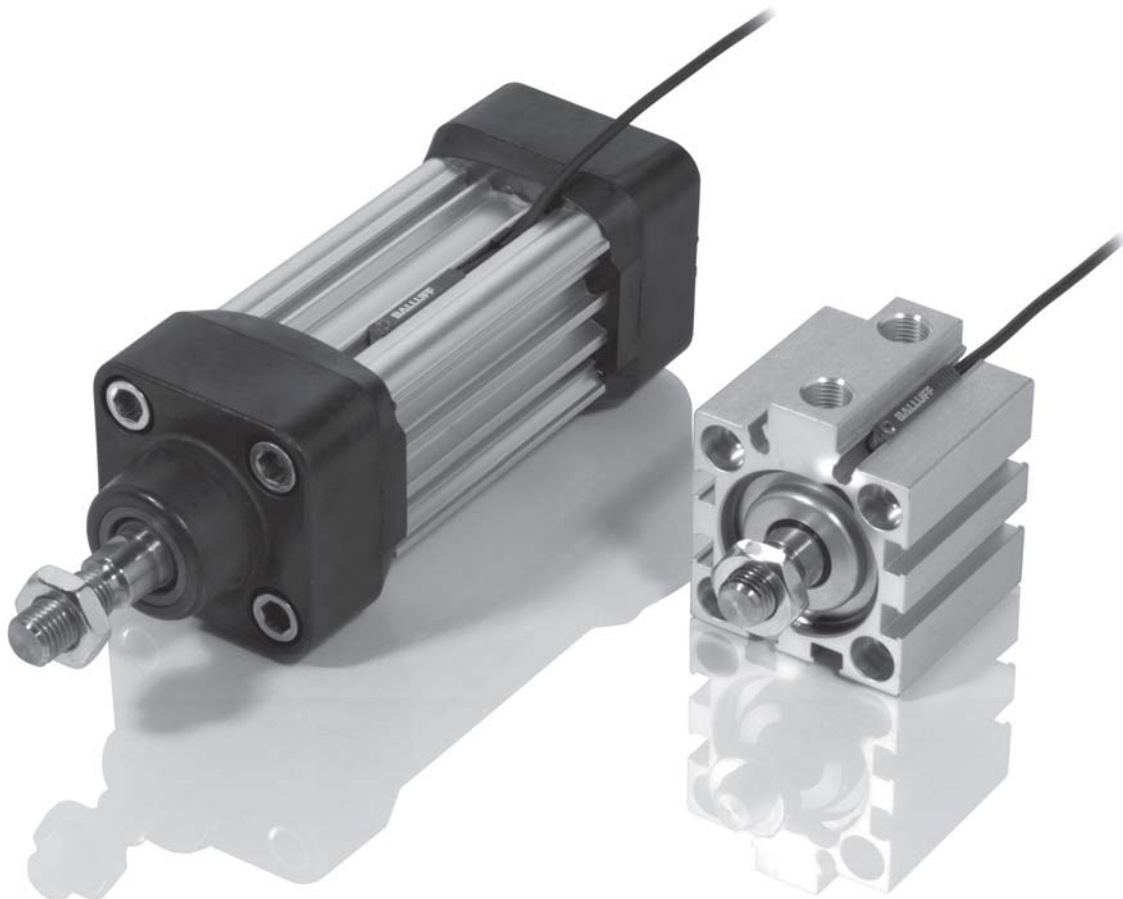
**Wiring diagrams**

**NO**



**NC**





### 3.1

Connectors  
selection  
guide  
page 3.0.7 ...

### 5

Connectors ...  
page 5.2 ...



Cable clip for  
routing  
on request



Hex Key Set



BMF Hex Key

Please order  
accessories separately  
see page 5.74