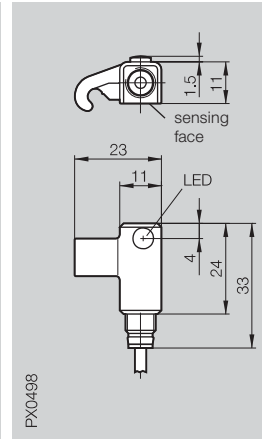
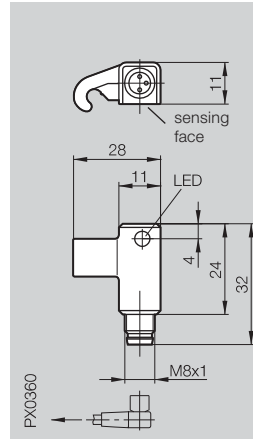
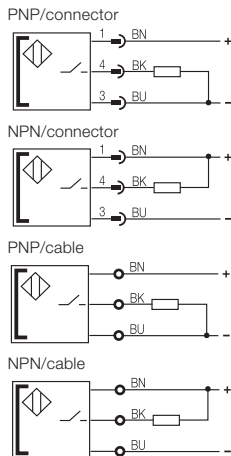


BMF 21 are the classics for cylinders with tie rod, DUO rail, round cylinders and profile cylinders.

Reliable,
tough,
universal..



Wiring diagrams

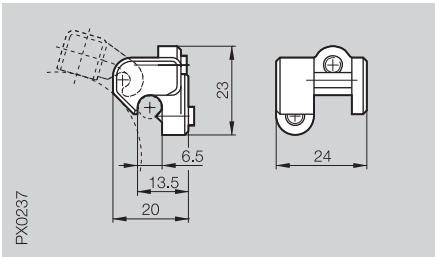


Series		BMF 21	BMF 21
PNP	NO	BMF 21K-PS-C-2-S49	BMF 21K-PS-C-2-PU-02
NPN	NO	BMF 21K-NS-C-2-S49	BMF 21K-NS-C-2-PU-02
Rated operating field strength H _n		1.2 kA/m	1.2 kA/m
Assured operating field strength H _a		≥ 2 kA/m	≥ 2 kA/m
Hysteresis of H _n		≤ 45 %	≤ 45 %
Temperature drift of turn-on point of H _n		≤ 0.3 %/°C	≤ 0.3 %/°C
Turn-on delay		≤ 0.05 ms	≤ 0.05 ms
Turn-off delay		≤ 0.05 ms	≤ 0.05 ms
Supply voltage U _B		10...30 V DC	10...30 V DC
Voltage drop U _d		≤ 3.1 V	≤ 3.1 V
Rated insulation voltage U _i		75 V DC	75 V DC
Rated operational current I _o		200 mA*	200 mA*
No-load supply current I _o max.		≤ 30 mA	≤ 30 mA
Polarity reversal protected		yes	yes
Short circuit protected		yes	yes
Ambient temperature range T _a		-25...+85 °C	-25...+85 °C
Utilization category		DC 13	DC 13
Degree of protection per IEC 60529		IP 67	IP 67
Housing material		PBT (fiberglass reinforced)	PBT (fiberglass reinforced)
Connection		Connector	2 m Cable PUR
No. of wires × cross-section			3×0.14 mm ²
Approval		cULus	
Recommended connector		BKS- 48/BKS- 49	

*Temperature load curve see page 3.0.6

Other cable lengths on request.

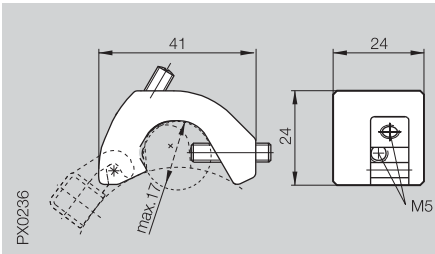
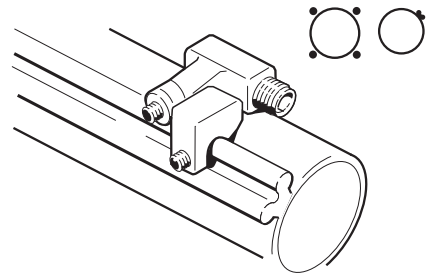




BMF 21-HW-8

for pneumatic cylinders with tie rod;
piston diameter any
tie rod diameter up to 6.5 mm

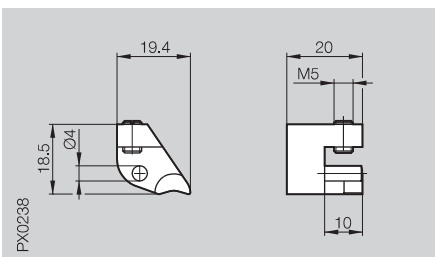
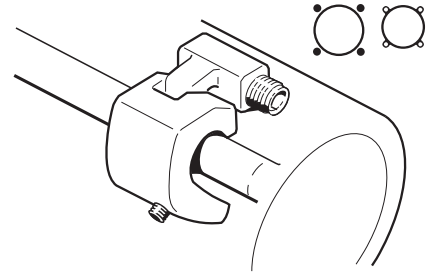
Pneumatic cylinders with DUO rail
(Festo), piston diameter any



BMF 21-HW-10/BMF 21-HW-10-E

for pneumatic cylinders with tie rod;
piston diameter any Tie rod diameter
to 17 mm for pneumatic cylinders
with integrated tie rod (Profile)

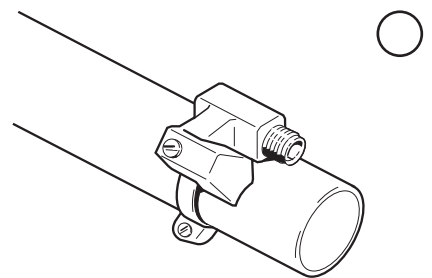
Any piston diameter
Profile width up to 17 mm
BMF 21-HW-10-E:
Stainless steel 1.4305



BMF 21-HW-11

for pneumatic cylinders without
tie rod/rail

Piston diameter 8...80 mm
Mounting bracket only usable with
tube cuffs.



For hose clamp matrix
see page 3.0.10.



Hex Key Set



BMF Hex Key

Please order
accessories separately
see page 5.74

