

Suitable for all cylinder ranges  
 with magnetic piston

Switches can be mounted flush  
 with the delivered special adaptor

Resistance, reliable switching with  
 a very fast response time

Particularly suited for use in high levels  
 of vibration

LED indicator as standard

CE verified



### Technical data

Operation:

M/50/EAP PNP open collector output with LED (yellow)

M/50/EAN NPN grounded emitter output with LED (yellow)

Switching voltage (U<sub>b</sub>):  
 10 to 30 V d.c.

Switching voltage output:  
 U<sub>b</sub> - 2 V

Inducted voltage:  
 0,5 V

Switching current (see graph overleaf):  
 150 mA max.

Switching power:  
 4,5 W max.

Response time:  
 < 0,5 ms

Operating frequency:  
 5 kHz

Operating temperature:  
 -20 bis +80°C

Protection rating:  
 IP 67 (DIN 40050)  
 IP 68 type: M/50/EAP/5U

Cable type:  
 PVC 3 x 0,25

Cable length:  
 2, 5 and 10 m

Weight:  
 M/50/EAP/2V: 37 g,  
 M/50/EAP/CP: 16 g

### Materials:

Body: plastic  
 EMV nach EN 60947-5-2

### Ordering example

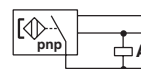
See page 2

### Alternative variants

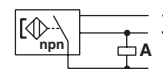
See page 2

### Accessories

Plug-in connector with cable see page 2



M/50/EAP



M/50/EAN

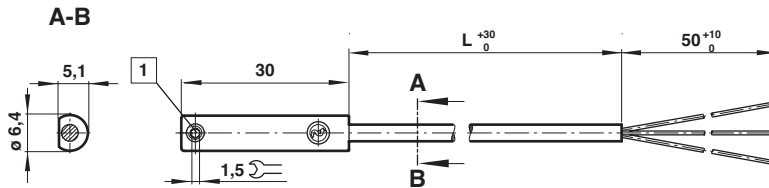




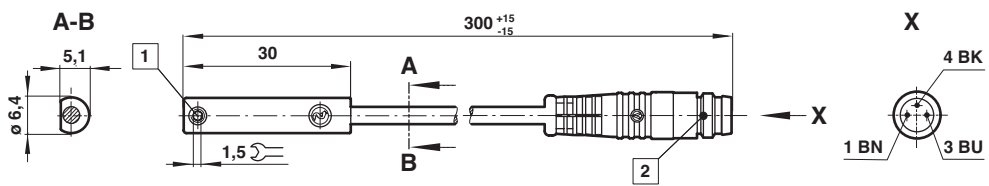
**Basic dimensions**

**M/50/EAP/\*V, M/50/EAN/\*V**

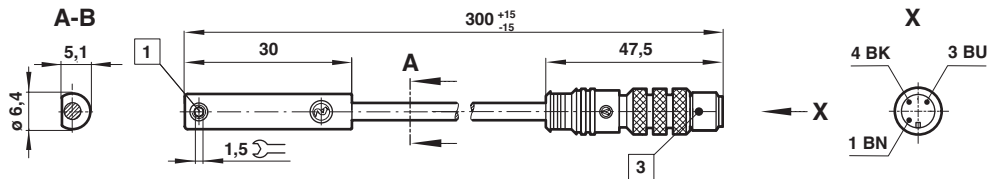
Cable length L = 2, 5 or 10 m



**M/50/EAP/CP, M/50/EAN/CP**



**M/50/EAP/CC**



- 1** Fixing screw
  - 2** Plug M8x1
  - 3** Plug M12x1
- Color code  
 BK = black  
 BN = brown  
 BU = blue

**Warning**

These products are intended for use in industrial control systems only. Do not use these products where voltage, current and temperatures can exceed those listed under "Technical Data". Before using these products for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN. Through misuse, age, or malfunction, components used in control systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in control systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

**System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.