

**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 (Ub):

10 to 30 V d.c.

Switching voltage output:

Ub - 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

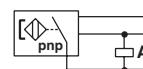
See page 2

Alternative variants

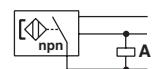
See page 2

Accessories

Plug-in connector with cable see page 2



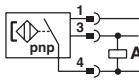
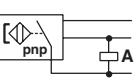
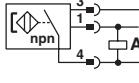
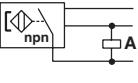
M/50/EAP



M/50/EAN



Switch variants

Symbol	Switch with plug (LED)	Symbol	Switch (LED)	Description	
	+ BN - BU BK	- M/50/EAP/CP		+ BN - BU BK	M/50/EAP/* Standard PVC cable 2 x 0,25 (2, 5 or 10 m length)
		- M/50/EAP/CC			Switch with PVC cable (0,3 m length) and plug M8x1
				Plug-in connector see page 3	
	+ BU - BN BK	- M/50/EAN/CP		+ BU - BN BK	M/50/EAN/* Switch, cable length 2, 5 or 10 m
					Switch with PVC cable (0,3 m length) and plug M8x1
				Plug-in connector see page 3	

* Insert cable length

Color code: BK = black, BN = brown, BU = blue

Options selector

Type	Substitute	M/50/****/***	Cable	Substitute
Induktiv mit LED	E		PVC	V
Switching voltage	Substitute		Cable length/plug	Substitute
Standard	A		2 m	2
			5 m	5
Function	Substitute		10 m	10
PNP	P		Cable (0,3 m) with plug M8x1	CP
NPN	N		Cable (0,3 m) with plug M12x1	CC

Ordering example

To order a solid state (PNP)
with 2 m cable length

Quote: M/50/EAP/2V

To order a solid state (NPN)
with 2 m cable length

Quote: M/50/EAN/2V

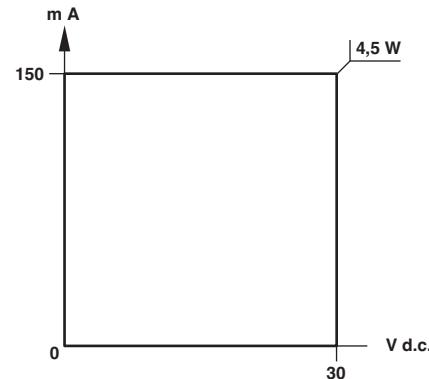
Accessories

Plug-in connector cable
with nut (M8x1)



Type	Outer cover	Cable length	Weight (kg)
M/P73001/5	PVC 3 x 0,25	5 m	0,15
M/P73002/5	PUR 3 x 0,25	5 m	0,13
M/P34614/5 (M12x1)	PVC 3 x 0,25	5 m	0,182
M/P34595/5 (M12x1)	PUR 3 x 0,25	5 m	0,182

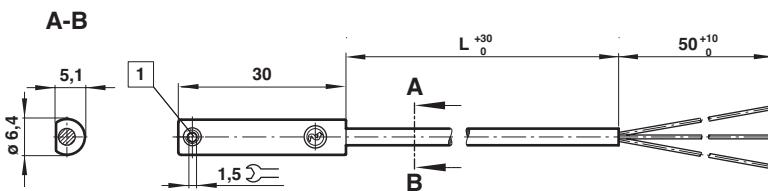
Switching current and switching voltage



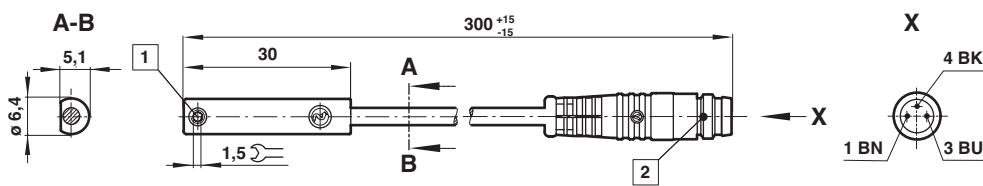
Basic dimensions

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

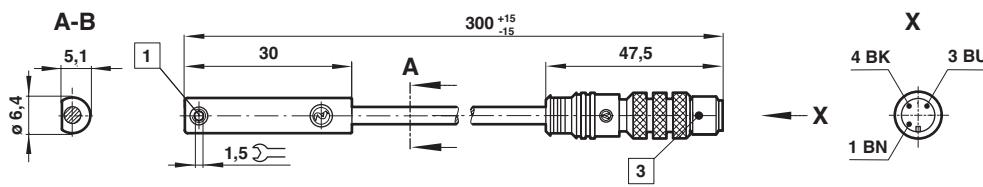
Cable length L = 2, 5 or 10 m



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



M/50/EAP/CC



	Fixing screw
	Plug M8x1
	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.