

**Magnetically Operated Switches
Solid State**

- **Very neat, compact, cylindrical units**
- **LED indicator as standard**
- **Suitable for use with our ranges of magnet piston cylinders**
- **Simple, reliable switching with very fast response time**
- **Particularly suited for use where high levels of vibration are present**


Technical Data

Operation:

PNP open collector output with LED (red)

Switching Voltage:

10 to 30 V d.c.

Switching Output:

U_b-2 V

Inducted Voltage:

2 V

Switching Current (see graph overleaf):

200 mA maximum

Quiescent Current Consumption:

15 mA

Switching Power:

6 W maximum

Response Time:

0,5 ms

Operating Frequency:

1 kHz

Operating Temperature:

-20°C to +80°C

Protection Rating:

IP 66 (DIN 40050)

Cable Type:

PVC 3 x 0,14

Cable Length:

2 or 5 m

Materials:

Nickel plated brass body

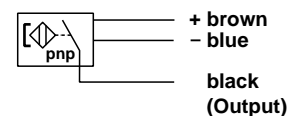
Alternative Switches:

See page N 4.3.047.02

Ordering Information

To order a solid state (PNP) with 5 m cable length quote: QM/45/EAP/5V

Order mounting brackets separately.

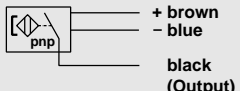


QM/45/EAP





Alternative Switch

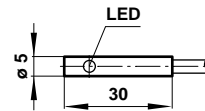
Symbol	Switches (with LED)	Description
	QM/45/EAP/*U	Very flexible polyurethane cable 3 x 0,14 (5 m length)

* Insert cable length

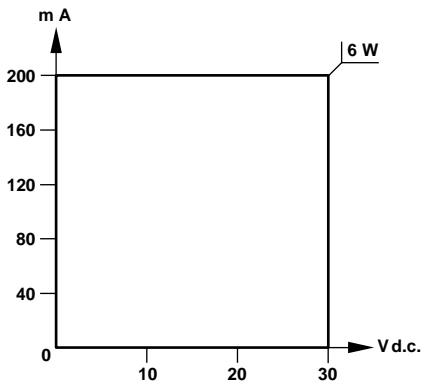
Weight for Switches

Model	Weight (kg)
QM/45/EAP/2V	0,070
QM/45/EAP/5U	0,105

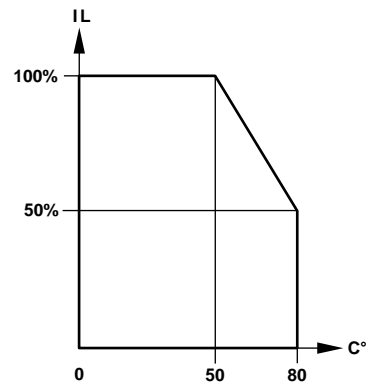
Basic Dimensions



Switching current and switching voltage



Temperature curve



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.