

Electronic Vacuum Switches

- LED indicator as standard
- Converts vacuum signal into electronic output
- Digital output (PNP or NPN) and an analog output where the voltage is proportional to the vacuum
- Adjustable hysteresis and switching point

Technical Data

Medium:

Vacuum

Operation:

M/58027/VAN/P NPN grounded emitter output with LED

M/58027/VAP/P PNP open collector output with LED

Operating Temperature:

+50°C maximum

Supply Voltage (U_b):

10,8 to 30 V d.c. (reverse polarity protection)

Switching Voltage:

U_b - 0,7 V

Quiescent Current Consumption:

25 mA

Digital Output:

Normally open, 125 mA maximum

Switching Point:

Adjustable between 0 and - 1 bar

Analog Output (0 / - 1 bar):

1 to 5 Vd.c. (±0,04 V)

Response Time:

< 5 ms

Protection Rating:

IP 65 (DIN 40050) when connected

Other Features:

Excess pressure relief device 6 bar maximum

Materials:

Zinc diecast housing, polycarbonate end caps


Ordering Information

To order an electronic vacuum switch (PNP) quote: M/58027/VAP/P

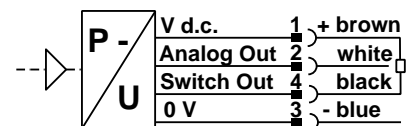
Order plug-in cable separately.

Accessories

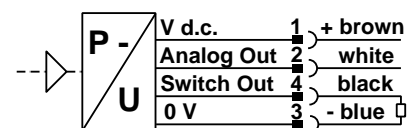
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Plug-in cable

N/UK 4.3.121.02



M/58027/VAN/P (NPN)



M/58027/VAP/P (PNP)



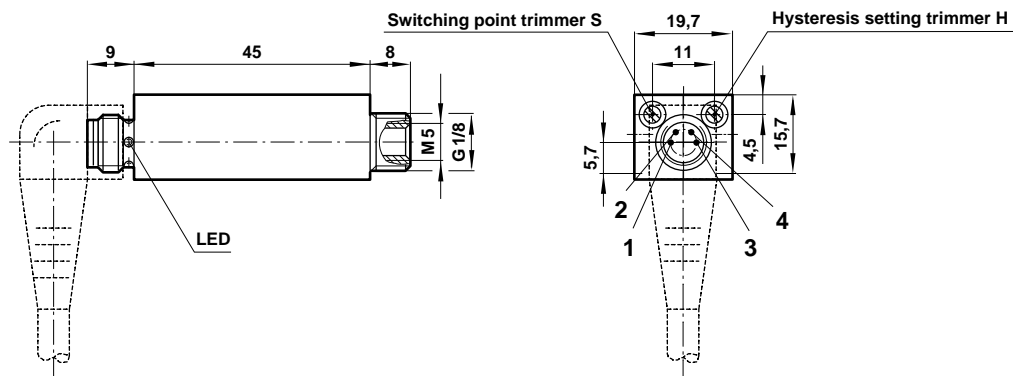
Weights for Switches and Plug-in Cable

Model	Weight (kg)	Plug-in Cable		
		Model	Outer cover	Weight (kg)
M/58027/VAN/P	0,028	M/P72014/*	Polyurethane	0,185
M/58027/VAP/P	0,028			



* Insert 5 m cable length

Basic Dimensions



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.