

# Limit switch attachments QH-DR-E

Technical data

Limit switch attachment with choice of 3 sensing methods:

- Pneumatic
  - with micro stem actuated valve
  - S-3-PK-3-B
- Electrical
  - with micro switch with roller lever,
  - IP 67 (splash-proof) S-3-E-SW-B
- Inductive
  - with proximity sensor
  - SIEN-M12-NB-B



Technical data	
<b>Pneumatic sensing</b>	
Medium	Filtered compressed air, lubricated or unlubricated
Function	3/2-way valve, directly actuated, normally closed
Pneumatic connection	Barbed fitting for 3 mm plastic tubing
Nominal size	1.8 mm
Operating pressure range	-1 ... +8 bar
Connection	Pg13.5
Temperature range	-10 ... +60 °C
<b>Electrical sensing</b>	
Utilisation category	AC 15/AC 12; DC 13/DC 12
Operating voltage range	0 ... 250 V AC; 0 ... 250 V DC
Rated operating current at rated operating voltage	Ohmic load (AC 12 / DC 12): 230 V DC: 0.3 A, 230 V AC: 10 A
	Inductive load (AC 12 / DC 12): 230 V DC: 0.2 A, 230 V AC: 4 A
Rated surge voltage	2.5 kV
Cross-section of connectable cables	0.2 ... 2.5 mm <sup>2</sup>
Electrical connection	Cable gland connector Pg13.5
Temperature range	-25 ... +80 °C
Protection class	Housing IP65
CE symbol	Yes, to EN 60 947-5-1: 1991
<b>Inductive sensing</b>	
Operating voltage range	10 ... 30 V DC
Rated operating current	200 mA
Idle current	≤1 mA
Output	Short circuit proof, reverse polarity protected
	Voltage drop: ≤ 3.2 V, residual current: ≤ 0.01 mA
Cross-section of connectable cables	0.2 ... 2.5 mm <sup>2</sup>
Electrical connection	Cable gland connector Pg13.5
Temperature range	-25 ... +85 °C
Display	Yellow LED
Protection class	Housing IP65
CE symbol	Yes, to EN 50 947-5-2:1995

Materials	
Housing base	Polymer
Cover	Transparent polymer
Seal	Ethylene propylene rubber

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Actuators

1.0

**Dimensions** Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

1 Cable gland connector Pg13.5

Ordering data		
Sensing principle	Part No.	Type
Pneumatic with S3-PK-3-B	164 855	QH-DR-E-S3-PK-3-B-B
Electrical with S3-E-SW-B	164 854	QH-DR-E-S3-E-SW-B
Inductive with SIE-M12-NB-B	164 853	QH-DR-E-SIEN-M12-NB-B