

QE-022-PS-11L

Inductive Sensing Element — PNP, N.O., with LED

Manufacturer: **Meto-Fer Automation AG** · Maienstrasse 6, CH-2540 Grenchen, Switzerland · meto-fer.ch



DESCRIPTION

End-position inductive sensing element from the Meto-Fer QE-series. Plugs onto an AS-series stop screw (Precision Stop System) and is fixed with a set screw, combining a mechanical end-stop with an electrical position signal. Used in rotary/linear actuators, pick-and-place stations, machine tool axes, conveyor stops and assembly fixtures.

PART NUMBER DECODING

Segment	Code	Meaning
Family	QE	Sensing element (electronic logic family)
Size	022	22 mm casing
Output	PS	PNP, Normally Open (sourcing)
Connector	11	Standard Connector type 11 (M8, 3-pin Picofast quick-disconnect)
Variant	L	LOGIC version (vs. AX = NAMUR)

TECHNICAL SPECIFICATIONS

Sensor type	Inductive proximity / sensing element	Connector	M8 3-pin Picofast (type 11)
Housing	22 mm casing, plastic body	Indicator	LED (switching status)
Output	PNP, Normally Open (NO), 3-wire	Protection class	IP67
Operating voltage	8 – 30 V DC	Operating temperature	Up to ~ 70 °C
Switching current	200 mA max	Weight (net)	~ 18 g (0.04 lb)
Sensing range	~ 11 mm (stop-pin stroke 1.5 mm)	Country of origin	Switzerland (CH)

CONNECTOR & WIRING (M8, 3-PIN, TYPE 11)

Pin	Wire colour (standard)	Function
1	Brown	L+ (8 – 30 V DC supply, positive)
3	Blue	L– (0 V / supply return)
4	Black	OUT (PNP, switches to L+ when activated)

Pin 2 not used on 3-wire variants. Verify wire colours against actual cable markings before installation.

COMPATIBLE ACCESSORIES — ORDERING CODES

Accessory	Part No.	Description
Cable (2 m, straight)	ST-11G-3B-U2X	M8 socket to flying lead, 2 m, type-11
Cable (5 m, straight)	ST-11G-3B-U5X	Same, 5 m length
Cable (2 m, right-angle)	ST-11W-3B-U2X	M8 90° socket to flying lead, 2 m
Stop screw M8 × 1, L=15 mm	AS 08/15	Load class 450 N (2,000 N peak)
Stop screw M8 × 1, L=40 mm	AS 08/40	Load class 450 N (2,000 N peak)
Stop screw M10 × 1, L=50 mm	AS 10/50	Load class 2,135 N (9,500 N peak)
Stop screw M12 × 1, L=60 mm	AS 12/60	Load class 4,600 N (20,500 N peak)
Stop screw M12 × 1, L=80 mm	AS 12/80	Load class 4,600 N (20,500 N peak)

INDIA CUSTOMS / IMPORT CLASSIFICATION

HSN (Indian tariff)	8536 50 90 — Other switches (under Heading 8536)
Swiss export tariff	8536.5003 (typical declaration)
Basic Customs Duty (BCD)	10 % on CIF value
Social Welfare Surcharge	10 % of BCD (= 1 % of CIF)
AIDC	Not applicable (0 %)
IGST	18 % on (CIF + BCD + SWS) — recoverable as ITC if GST-registered
Effective total duty	~ 30.98 % over CIF; sunk customs cost ~ 11 % (BCD + SWS)
FTA route	India–EFTA TEPA: request EUR.1 / EUR-MED Movement Certificate from supplier to evaluate preferential BCD on Swiss-origin goods

Source: compiled from the public Meto-Fer Section 8 catalogue (Stop Screws, Sensors, Cables and Height Gauges, Oct 2007 revision) and reseller listings. Reference sheet for procurement and customs use; **not** an official manufacturer document. Confirm current revision with Meto-Fer Automation AG (info@meto-fer.ch) before purchase. Duty rates indicative as of 2026 — verify with your CHA at time of import.