

Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

Model Number	UDC-30GM-085-3E3
Sensing range	50 ... 150 mm , optimal distance: 80 mm
Transducer frequency	85 kHz
Operating voltage	18 ... 30 V DC , ripple 10 $\%_{SS}$
No-load supply current	< 200 mA
Output type	3 switch outputs PNP, NC
Rated operational current	3 x 100 mA , short-circuit/overload protected
Switch-on delay	approx. 30 ms
Switch-off delay	approx. 30 ms
Pulse extension	min. 120 ms programmable
Input type	Function input
LED green	Display: single-layer material detected
LED yellow	Display: no material (air)
LED red	Display: 2-layer or multi-layer material detected
Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Material	
Housing	nickel plated brass; plastic components: PBT
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP65
Connection type	cable PVC , 2 m
	

Approvals and Certificates	
UL approval	cULus Listed, General Purpose, Class 2 Power Source
CSA approval	cCSAus Listed, General Purpose, Class 2 Power Source

Dimensions	
Length L [mm]	88 / 52
Diameter D [mm]	30
Transducer diameter D_1 [mm]	40
Transducer length l_1 [mm]	25
Thread length l_t [mm]	41 / 27
Connector area l_c [mm]	0
LED position	Pos. C

Properties

- Ø30 mm housing
- Powerful material detection
- Fast response
- DC, 3 switching outputs
- Cable version

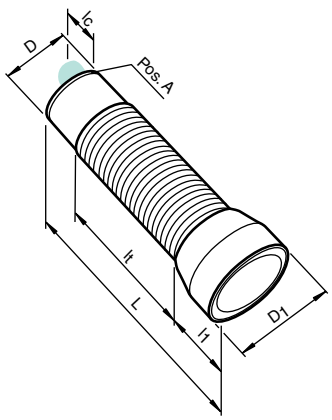
Your Benefit

- Short-barrel design
- Maximum possible material burn-through power
- Excellent for thick plastics and cardboard
- One sensor identifies zero-, single- and double-sheets

Accessories

This and more accessories can be found in chapter 3.5 from page 676
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

MH-UDB02	Mounting bracket for double sheet metal monitor
UDB-Cable-2M	Extension cable
UDB-Cable-1M	Extension cable

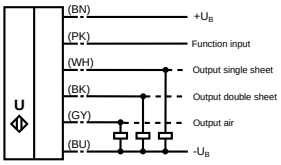


Electrical Connection



UDC-30GM-085-3E3

Standard symbol/Connection:
Double sheet control



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