

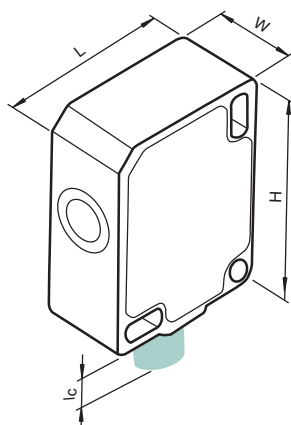


Properties

- 250 mm and 400 mm sensing range versions
- DC, switching output
- Sub-miniature F77 housing
- Connector version

Your Benefit

- Retro-reflective operation
- Best-in-class immunity to acoustic interference
- Simple, intuitive range adjustment
- High-end performance and low cost



Technical Data

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

General Data

Operating voltage	20 ... 30 V DC , ripple 10 % _{SS} ; 12 ... 20 V DC reduced sensitivity by 90 %
No-load supply current	≤ 20 mA
Rated operational current	200 mA , short-circuit/overload protected
Input type	1 program input
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	Polycarbonate
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP67
Connection type	M8 x 1 connector , 4-pin



Model Number

	green = preferred type	UBR250-F77-E2-V31	UBR250-F77-E3-V31	UBR400-F77-E2-V31	UBR400-F77-E3-V31
Sensing range	0 ... 250 mm 0 ... 400 mm	●	●	●	●
Transducer frequency	approx. 400 kHz approx. 300 kHz	●	●	●	●
Output type	1 switch output PNP , NC 1 switch output PNP , NO	●	●	●	●
Switching frequency	10 Hz 5 Hz	●	●	●	●

Approvals and Certificates

UL approval	cULus Listed, General Purpose	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●

Dimensions

Length L [mm]	23
Width W [mm]	12
Height H [mm]	31
Connector area l _c [mm]	9

Accessories

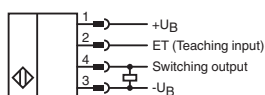
This and more accessories can be found in chapter 3.5 from page 673
See pages from 972 ... for cordsets See pages 1068 ... for mounting aids

UB-PROG4-V31	Programming unit
OMH-ML7-01	Mounting bracket
V31-GM-2M-PVC	M8, 4-pin socket, PVC cable
V31-WM-2M-PVC	M8, 4-pin socket, PVC cable

Electrical Connection



UBR250-F77-E2-V31
UBR400-F77-E2-V31
UBR250-F77-E3-V31
UBR400-F77-E3-V31



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)