



Model Number

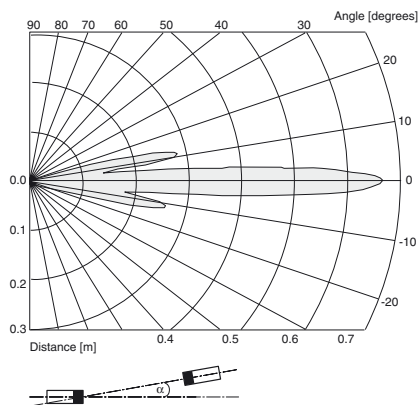
UBE500-F64-SE0

Features

- Reliable detection of transparent materials
- High switching frequency
- Small angle of divergence
- Small, compact design
- Plastic housing
- Emitter and receiver included in the delivery package

Curves

Characteristic response curves



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Technical data

General specifications

Sensing range	0 ... 500 mm , distance emitter-receiver 15 mm ... 500 mm
Transducer frequency	200 kHz
Reference target	receiver

Indicators/operating means

LED yellow	indication of the switching state (receiver)
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Electrical specifications

Operating voltage U_B	18 ... 30 V DC , ripple 10 % _{SS}
No-load supply current I_0	20 mA receiver 12 mA emitter

Output

Output type	1 switch output E0, npn NO
Rated operational current I_e	50 mA
Voltage drop U_d	≤ 0.5 V
Switch-on delay t_{on}	< 5 ms
Switching frequency f	100 Hz

Ambient conditions

Ambient temperature	0 ... 60 °C (273 ... 333 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

Mechanical specifications

Protection degree	IP54
Connection	2 m, PVC cable emitter: 2 x 0.34 mm ² receiver: 3 x 0.34 mm ²

Material

Housing	PA 6.6
Mass	80 g per device

Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

