



WT260-R280 W260

COMPACT PHOTOELECTRIC SENSORS





Ordering information

Туре	Part no.
WT260-R280	6020772

Included in delivery: BEF-W260 (1)



Illustration may differ



Detailed technical data

Features

Sensor/ detection principle	Photoelectric proximity sensor, Energetic
Dimensions (W x H x D)	25 mm x 78 mm x 63 mm
Housing design (light emission)	Rectangular
Sensing range max.	10 mm 3,500 mm ¹⁾
Sensing range	20 mm 3,000 mm
Type of light	Infrared light
Light source	LED ²⁾
Light spot size (distance)	Ø 95 mm (3,000 mm)
Angle of dispersion	Approx. 1.7°
Adjustment	Potentiometer, 270°
Time type	On delay Off delay
Delay time	Adjustable via time delay selector switch, 0.1 s, 10 s Adjustable via time control

 $^{^{1)}}$ Object with 90 % reflectance (referred to standard white, DIN 5033).

Mechanics/electronics

Supply voltage	12 V DC 240 V DC ¹⁾
	24 V AC 240 V AC ¹⁾

^{1) +10 %}

 $^{^{2)}}$ Average service life: 100,000 h at $\rm T_U$ = +25 $^{\circ}\rm C.$

 $^{^{2)}\ \}mbox{Provide}$ suitable spark suppression for inductive or capacitive loads.

 $^{^{3)}}$ With light/dark ratio 1:1.

 $^{^{4)}}$ A = V_S connections reverse-polarity protected.

 $^{^{5)}}$ C = interference suppression.

⁶⁾ Rated voltage: 250 V AC/DC.

Power consumption	≤ 5 VA
Switching output	Relay, electrically isolated ²⁾
Output function	Change-over contacts
Switching mode	Light switching ²⁾
Switching current (switching voltage)	3 A (240 V AC) 3 A (30 V DC)
Response time	≤ 20 ms
Switching frequency	25 Hz ³⁾
Connection type	Cable gland
Circuit protection	A ⁴⁾ C ⁵⁾
Protection class	II ⁶⁾
Weight	120 g
Interference emission	Level EN 61000-6-3 Residential and commercial areas
Housing material	Plastic, ABS
Optics material	Plastic, PC
Enclosure rating	IP67
Items supplied	Mounting bracket BEF-W260
Usage category	AC-15, DC-13, according to EN 60947-1
Ambient operating temperature	-25 °C +55 °C
Ambient storage temperature	-40 °C +70 °C
UL File No.	EN50081-1, 242356

¹⁾ ±10 %.

Classifications

ECI@ss 5.0	27270904
ECI@ss 5.1.4	27270904
ECI@ss 6.0	27270904
ECI@ss 6.2	27270904
ECI@ss 7.0	27270904
ECI@ss 8.0	27270904
ECI@ss 8.1	27270904
ECI@ss 9.0	27270904
ETIM 5.0	EC002719
ETIM 6.0	EC002719
UNSPSC 16.0901	39121528

²⁾ Provide suitable spark suppression for inductive or capacitive loads.

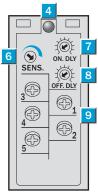
³⁾ With light/dark ratio 1:1.

 $^{^{4)}}$ A = V_S connections reverse-polarity protected.

⁵⁾ C = interference suppression.

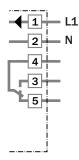
⁶⁾ Rated voltage: 250 V AC/DC.

Adjustments possible

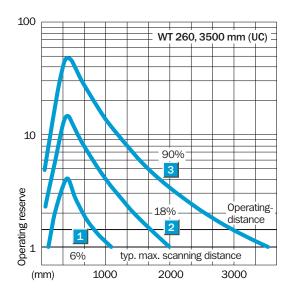


- ④ LED signal strength indicator, red
- Sensitivity control
- $\ \ \,$ Time control ON delay t_{ON}
- $\ensuremath{\$}$ Time control OFF delay $t_{\ensuremath{\mathsf{OFF}}}$
- 9 Terminals

Connection diagram



Characteristic curve

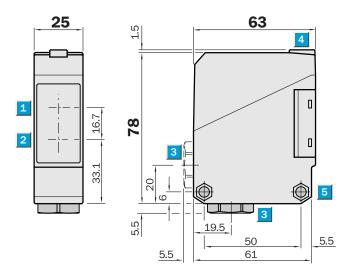


Web: https://www.bolenscontrol.com/ - Phone: (800) 658-5241 - Email: sales@bolenscontrol.com

Sensing range diagram



Dimensional drawing (Dimensions in mm (inch))



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