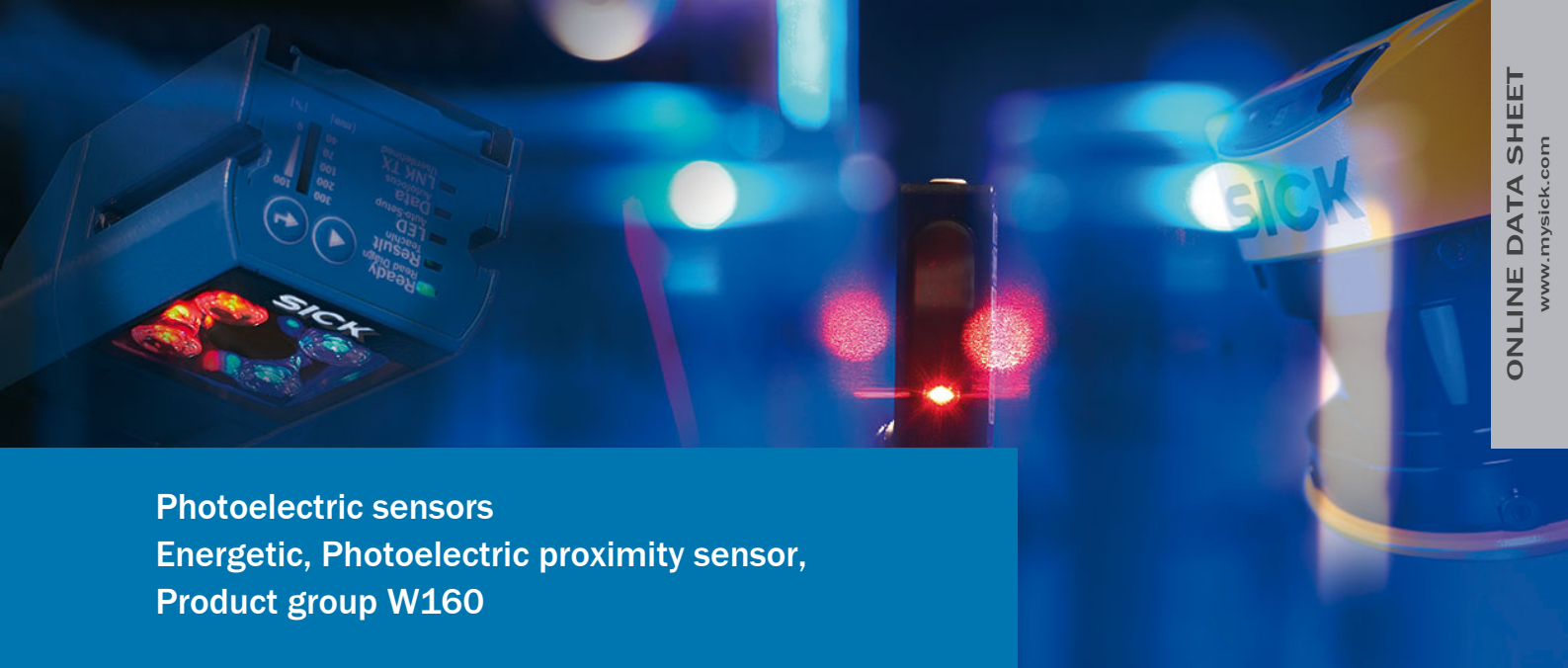


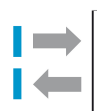


Photoelectric sensors
Energetic, Photoelectric proximity sensor,
Product group W160

WT160-F182



Model Name > [WT160-F182](#)
Part No. > [6022817](#)



- Vertical models
- Energetic proximity switch for standard applications
- Red light as alignment aid
- Switching point adjustable
- LED indicator: operating reserve



Product features

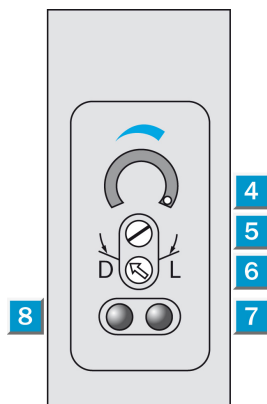
Sensing range min ... max:	0 mm ... 1,000 mm, 0 mm ... 800 mm
Light source:	LED
Type of light:	Red light
Light spot diameter:	Approx. 90 mm at 500 mm distance
Laser:	Red light
Sensing range max.:	0 mm ... 1,000 mm, 0 mm ... 800 mm
Adjustment.:	Potentiometer, 2 rotations
Wave length:	680 nm

Technical data

Design:	Rectangular
Dimensions (W x H x D):	11 mm x 38 mm x 23 mm
Supply voltage min ... max:	DC 10 ... 30 V ¹⁾
Ripple:	± 10 %
Power consumption:	≤ 25 mA
Switching output:	PNP: open collector: Q
Switching mode:	Light/dark switching via rotary switch
Output current max.:	100 mA
Response time:	≤ 0.5 ms
Switching frequency:	1,000 Hz
Connection type:	Cable, 2 m
Number of cores:	3
Conductor size:	0.2 mm ²
Circuit protection:	V connections reverse-polarity protected/In-/outputs short-circuit protected/Interference suppression/Outputs overcurrent and short-circuit protected
Enclosure rating:	IP 67: EN 60529, IP 69K: EN 40050
Ambient operation temperature, min ... max:	-25 °C ... +55 °C
Ambient storage temperature, min ... max:	-40 °C ... +70 °C

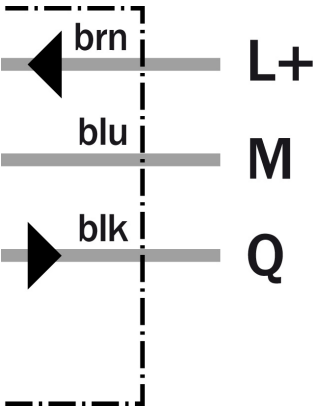
1) Limit values, reverse-polarity protected operation in short-circuit protected network max. 8 A

Technical drawing of a 1000 Series 1/2" plug. The drawing shows a side view of the plug with dimensions: 11 (width), 3 (height of the top flange), 38 (total height), 11.5 (height of the lower section), 7.4 (height of the upper section), and 11 (height of the bottom section). The drawing is labeled with a 1 in a blue box, a 2 in a blue box, and a 3 in a blue box.

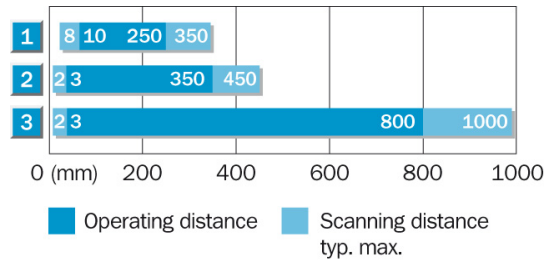


A 3D illustration of a grey RJ45 network jack. A grey cable is plugged into the front of the jack. The jack has a small tab on top and a circular port on the side. The cable has a grey outer jacket and a braided shield.

Connection diagram

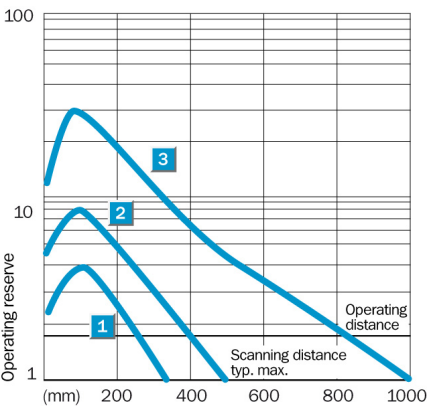


Sensing range diagram



1	Scanning range on black, 6 % remission
2	Scanning range on grey, 18 % remission
3	Scanning range on white, 90 % remission

Characteristic curve



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