

1) Operating voltage, 2) Optical axis



IND. CONT. EQ
 77HA
 for use in the secondary of
 a class 2 source of supply



Display/Operation

Display LED green: Power

Electrical connection

Connection Connector, M8x1-Male, 3-pin
Polarity reversal protected yes
Protection against device mix-ups yes

Electrical data

No-load current I_o max. at U_e 30 mA
Operating voltage U_b 10...30 VDC
Protection class II
Rated operating voltage U_e DC 24 V
Ripple max. (% of U_e) 12 %

Environmental conditions

Ambient temperature -20...60 °C
EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration 10...55 Hz, amplitude 0.5 mm, 3x30 min
IP rating IP67
IP rating per DIN 40050 IP69K

General data

Approval/Conformity cULus
 CE
 EAC
 WEEE
Basic standard IEC 60947-5-2
Principle of operation Photoelectric sensor
Reference receiver BOS 6K-...-RE10-..
Series 6K
Style Square
 Connection 90°

Material

Housing material ABS
Material sensing surface PMMA

Mechanical data

Dimension 12 x 41 x 21.6 mm
Mounting Screw M3

Optical data

Beam characteristic Divergent
Light spot size 1200 x 1200 mm at 15 m
Light type LED, red light
Principle of optical operation Through-beam sensor (Emitter)
Wave length 660 nm

Range/Distance

Range

0...13 m

Rated operating distance Sn

13 m Adjustable

Remarks

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.

For additional information, refer to user's guide.

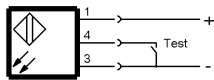
Order accessories separately.

When using as a UL product the ambient temperature Ta max. must not exceed 50°C.

Connector Drawings



Wiring Diagrams



Opto Symbols

