



1) Active surface 2) Housing 3) Top cover

- Special interface
- see signal amplifier (BAE)
- 1.00 mm
- Flush (shielded)

- Cable with connector, PUR, 2.00 m
- Special connector
- to be adjusted at base unit



IND. CONT. EQ. 81U2  
 for use in the secondary of  
 a class 2 source of supply



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**General attributes**

Approvals / Conformity

Basic standard  
 Enclosure Type per IEC 60529  
 Polarity reversal protected  
 Scope of delivery  
 Short circuit protected  
 MTTF (40°C)

CE  
 cULus  
 IEC 60947-5-2  
 IP67  
 Not relevant  
 2 nuts  
 Not relevant  
 1813 a

**Electrical attributes**

Connection type  
 Electrical version  
 Operating voltage UB max. DC [V]  
 Operating voltage UB min. DC [V]  
 Rated insulation voltage Ui  
 Ripple max. (% of Ue)  
 Sensitivity  
 Switching freq. f max. (at Ue)  
 Switching function  
 Switching output

Cable with connector  
 DC, direct current  
 8.0 V  
 4.0 V  
 75 V DC  
 10 %  
 to be adjusted at base unit  
 100 Hz  
 see signal amplifier (BAE)  
 Special interface

**Mechanical attributes**

Ambient temperature Ta max.

80 °C

Ambient temperature Ta min.  
 Cable jacket material  
 Cable length L [m]  
 Connector type  
 Cover material  
 Diameter d1  
 Housing material  
 Mech. installation condition  
 Mounting length  
 Rated operating distance Sn [mm]  
 Sensing face material  
 Tightening torque  
 Working range Sa max.  
 Working range Sa min. [mm]

-30 °C  
 PUR  
 2.00 m  
 Special connector  
 POM  
 M05x0.5  
 1.4301  
 Flush (shielded)  
 22.0 mm  
 1.00 mm  
 PTFE  
 2 Nm  
 1.00 mm  
 0.10 mm

**Remarks**

Required accessory, signal amplifier BAE SA-...

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.