



1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED function indicator



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

Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Series	M12

Electrical connection

Cable length L	2 m
Conductor cross-section	0.20 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage U _b	12...35 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 mA
Ripple max. (% of U _e)	10 %
Switching frequency	25 Hz
Utilization category	DC -13
Voltage drop static max.	0.8 V

Environmental conditions

Ambient temperature	-30...60 °C
Protection degree	IP65

Material

Cover material	PTFE
Housing material	PTFE
Material jacket	PTFE
Material sensing surface	PTFE

Mechanical data

Dimension	Ø 12 x 63 mm
Installation	non-flush
Size	M12x1
Thread (A)	M12x1
Tightening torque	0.5 Nm

Output/Interface

Switching output	PNP normally closed (NC)
------------------	--------------------------

Range/Distance

Hysteresis H max. (% of S _r)	15.0 %
Measuring range	1...6 mm
Rated operating distance S _n	6 mm
Repeat accuracy max. (% of S _r)	2.0 %
Temperature drift max. (% of S _r)	15 %

Wiring Diagrams

