





### **Model Number**

## SU180-MD/40b/110/115

external amplifier with fixed cable

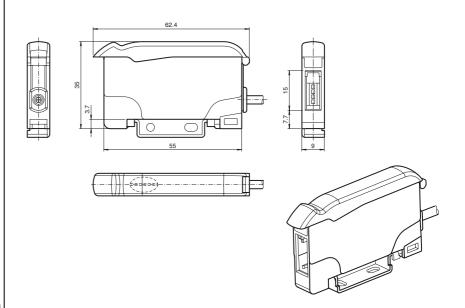
#### **Features**

- Control interface unit for ML10 series miniature sensors
- Master module
- No TEACH-IN required
- Gang mounting for easy wiring
- Ultra bright LEDs for power on and switching state
- Light/dark ON, programmable
- Alignable housing
- DIN rail mounting
- Tamper-proof version with no adjustments

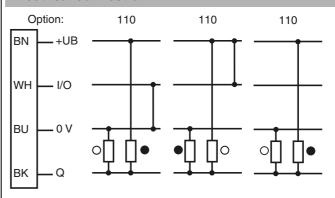
### **Product information**

Signal transformers in the SU180 series are suitable for connecting miniature diffusemode photoelectric sensors with true background suppression (HGA). In order to keep wiring costs low, up to 20 slave modules can be connected via the supplied bridge connectors to one master. The signal transformers can be arranged directly next to each other on a DIN mounting rail. Individual devices have a light ON/dark ON switch and a switch for the output circuitry (NPN, PNP, push-pull). In a network, the light ON/dark ON switch can be applied simultaneously to all devices via the I/O pin. Both devices are available in tamper-proof versions. Installation becomes more efficient due to the lower wiring expense and the quick and easy snap-on mounting of the signal transformers.

## **Dimensions**



## **Electrical connection**

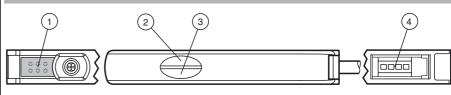


The circuitry for the external input applies to the master and all connected slave modules

= Light on

= Dark on

## Indicators/operating means



1	Bridge contacts	3	Operating indicator, green
2	Function display, yellow	4	Sensor connection

# Compliance with standards and directi-

Standard conformity

Product standard

EN 60947-5-2:2007 IEC 60947-5-2:2007

Shock and impact resistance Vibration resistance

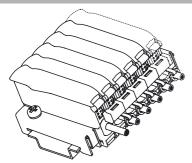
IEC / EN 60068. half-sine, 40 g in each X, Y and Z directions IEC / EN 60068-2-6. Sinus. 10 -2000 Hz, 10 g in each X, Y and

Z directions

# Approvals and certificates

UL approval	cULus Listed, Class 2 Power Source, Type 1 enclosure
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

#### **Modular construction**



The slave modules can be connected to the master module using the bridge contacts supplied on the slave modules.

When connecting several modules using bridge contacts, please ensure that the black blind pins on the bridge contacts are cut off. The outer blind pins must be retained only on the two outer bridge contacts; this is to seal off the pins that are not in use.

Master modules must not be connected to one another via the bridge contacts.

The power applied to the external input on the mas-

ter module supplies the master module and all connected slave modules.

# A master module is required to operate a slave module.

# Information regarding current consumption:

- a) Maximum of 20 units (19 slaves per master); maximum current consumption = 20 mA per unit.
- b) Maximum of 10 units (9 slaves per master); maximum current consumption = 70 mA per

### **Accessories**

#### ML10-8-H-3,2-IR/115e

#### **Bracket SU**

Mounting bracket for DIN rail

Other suitable accessories can be found at www.pepperl-fuchs.com



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unit.

c) Maximum of 8 units (7 slaves per master); maximum current consumption = 110 mA per unit.

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