## Description

- Sensor/actuator box
- Connection methods: M12-jack, A-standard and pluggable plug-in connector for trunk cable
- slots: 4

## General characteristics

| | |
|---|---|
| Connection method, trunk cable | pluggable plug-in connector 180° |
| Connection method, sensor / actuator | M12-jack, A-standard |
| Number of slots | 4 |
| Number of poles | 4 |
| Degree of protection | IP65 / IP67 / IP69K |
| Temperature range | -30 °C to +80 °C (-22 °F to +176 °F) |

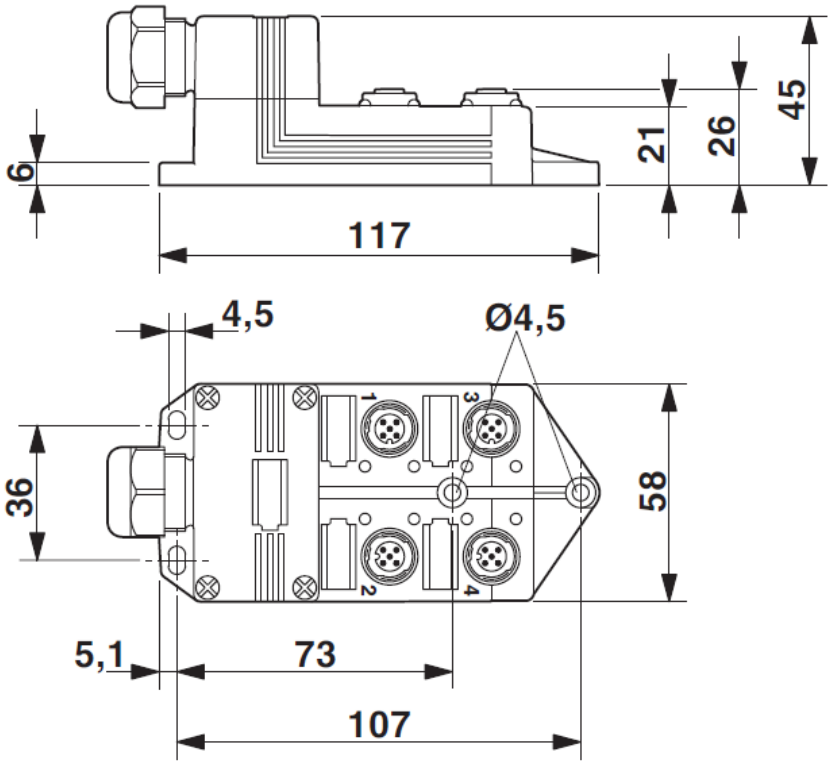
## Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 120 V |
| Current carrying capacity per path | 2 A |
| Total current (w/o potential separation) | 1x10 A |
| Total rated current (with potential separation) | 2x8 A |

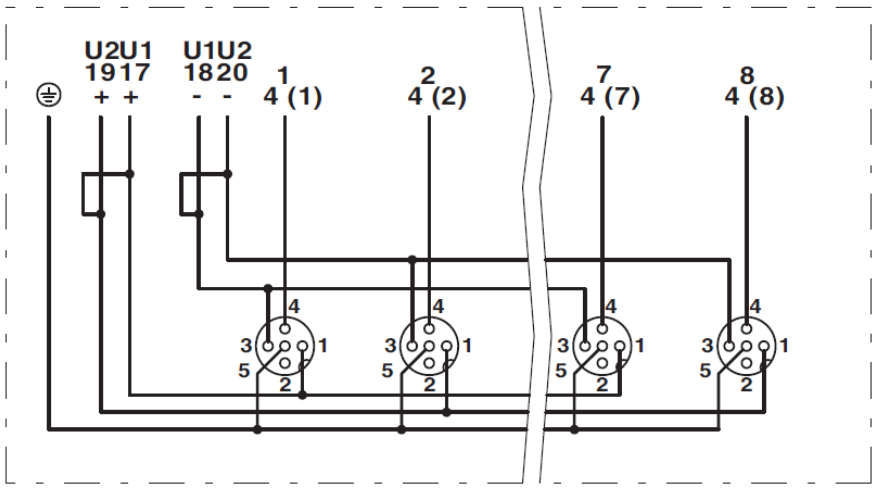
## Mechanical properties

| | |
|---|---|
| Inflammability class acc. to UL 94 | V0 |
| Material, housing | PBT |
| Material, potting | PUR |
| Material, contact | Cu-alloy |
| Material, contact surface | Gold-plated |
| Material, contact carrier | PA |
| Material of threaded sleeve | Zinc die-cast |
| Material of threaded sleeve surface | Nickel-plated |
| Material, O-ring | NBR |
| Trunk cable, Termination cross section | AWG16 to AWG26 |
| Trunk cable, Outer diameter, cable | 7 mm to 12 mm |
| Tightening torque screw cover plate | 0.35 Nm |
| Tightening torque screw nut coupler | 2.5 Nm |
| Tightening torque slot s/a cable | 0.4 Nm |

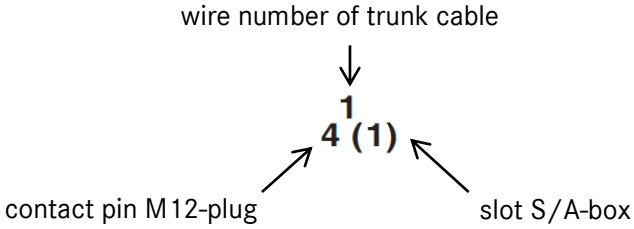
## Technical drawing



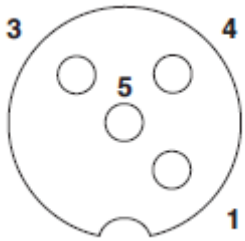

## Circuit diagram

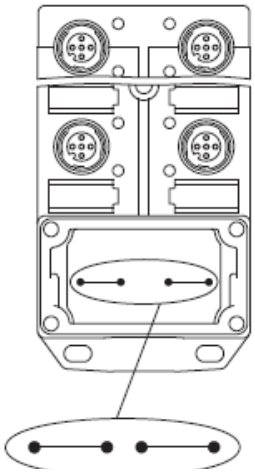



Example:

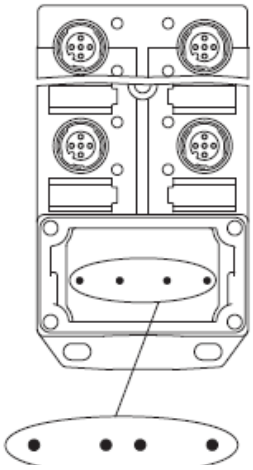


## Schema drawings



Potential $U_{N1}$ and $U_{N2}$ joint.
Potential order:
$U_{N1}$ = $U_{N2}$ = slots 1,2,3,4



Potential separated. Potential order:
$U_{N1}$ =slots 1, 3 and
$U_{N2}$ = slots 2, 4

## Pin assignment

| | |
|---|---|
| Slot / position = Wire colour or connection | 1 / 4 (A) = 1 /4 |
| | 2 / 4 (A) = 2 / 4 |
| | 3 / 4 (A) = 3 / 4 |
| | 4 / 4 (A) = 4 / 4 |
| | 1-4 / 1 (+ 120 V) = $U_N$ |
| | 1-4 / 3 (0 V) = 0 V |
| | 1-4 / 5 (PE) |
| | = PE |

## Application range

Automation, industrial machinery and plant engineering

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.