Description

- Sensor/actuator box
- Connection methods: quick locking without LED pluggable master cable connection and double-occupied slots
- slots: 8

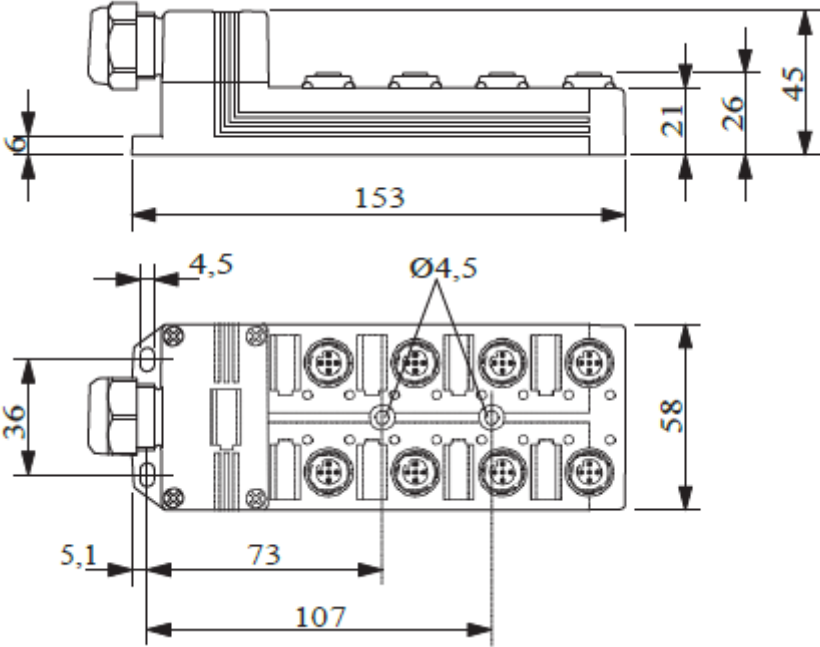|	
Number of slots:	8
Nominal voltage U_N:	120 V
Max. current carrying capacity per path:	2 A
Total current:	1x10 A
Total rated current (for electrical isolation):	2x8 A
Connection type:	pluggable master cable connection
Current carrying capacity per slot:	4 A
Number of poles:	5
Degree of protection:	IP65/IP67/IP69K
Status display:	no
Inflammability class acc. to UL 94:	V0
Contact surface material:	Gold-plated
Material, O-ring:	NBR
Material of the moulding mass:	PUR
Material of threaded sleeve:	Zinc die-cast
Material of threaded sleeve surface:	Nickel-plated
Tightening torque slot sensor/actuator cable:	0.4 Nm
Tightening torque screw plug:	0.4 Nm

Conductor data

Slot/position = Wire colour or connection:	1 / 4 (A) = 1 / 4

Technical drawing

Circuit diagram

Example:

wire number of trunk cable

↓

1
4 (1)

contact pin M12-plug ← → slot S/A-box
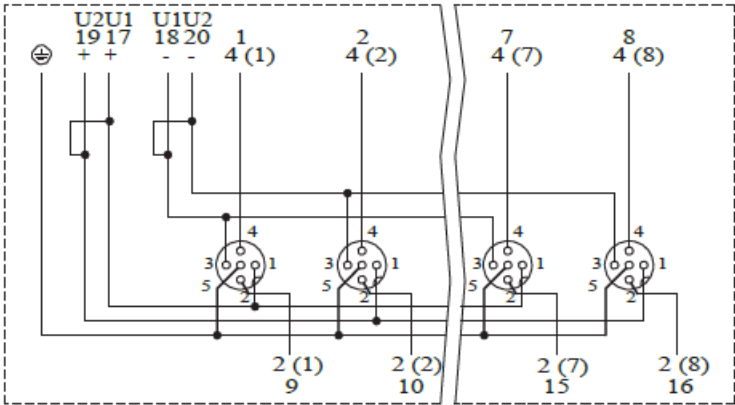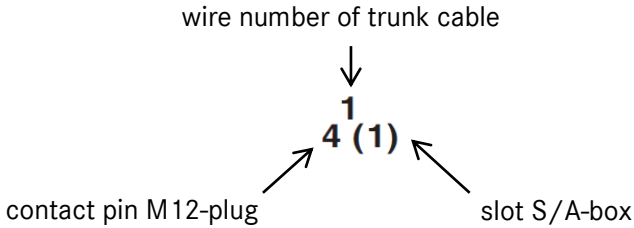
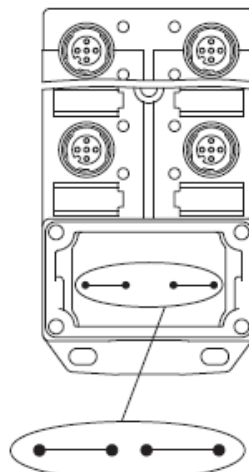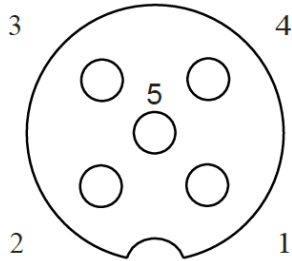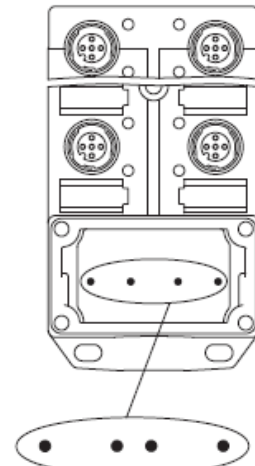## Schema drawings

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 color or connection

1 / 4 (A) = 1 / 4
1 / 2 (B) = 1 / 2
2 / 4 (A) = 2 / 4
2 / 2 (B) = 2 / 2
3 / 4 (A) = 3 / 4
3 / 2 (B) = 3 / 2
4 / 4 (A) = 4 / 4
4 / 2 (B) = 4 / 2
5 / 4 (A) = 5 / 4
5 / 2 (B) = 5 / 2
6 / 4 (A) = 6 / 4
6 / 2 (B) = 6 / 2
7 / 4 (A) = 7 / 4
7 / 2 (B) = 7 / 2
8 / 4 (A) = 8 / 4
8 / 2 (B) = 8 / 2
1-8 / 1 (+ 120 V) = U_N
1-8 / 3 (0 V) = 0 V
1-8 / 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.