

**Multifunctional System**  
**(30745, 30746, 30747, 30748,**  
**30750, 30751, 30760,30779,**  
**30842, 30946, 30938, 30947)**



## Intended Use

### Areas of Application

- As a power supply for charging emergency vehicles (rescue, paramedics, disaster relief organisations, fire brigade, etc.)
- As a compressed air supply for trucks
- As a self-releasing plug connector
- As power supply for locomotive pre-heating
- As a power supply to the heater mat (silo heater) of tankers

### Demands on the personnel

- The multifunctional system must be installed by qualified specialist personnel.
- Maintenance work on the multifunctional system must only be carried out by qualified specialist personnel.
- Industrieelektronik Pölz GmbH assumes no liability in the event of unqualified installation or maintenance.

### Safety-relevant Ambient Conditions

- Operating temperature range from -30 °C to +75 °C
- Permanently stable subsurface commensurate with the expected loads
- Express reference is made here to the information in the installation instructions
- Degree of protection: Loose multifunctional plug IP20
- Multifunctional socket when closed IP65 / when connected IP54

### Danger!

When the vehicle is started up, the supply cable is ejected. This means that you should keep at an appropriate distance away from the vehicle.



Ejection of the multifunctional plug can result in slight oscillation of the supply unit (coupler and cable).

**Technical Data**

Supply voltages	400 V (230 V) 32 A 4-pin + PE 24 V 16 A 4-pin
Compressed air	12 bar – 4 mm
Cross-sections	400 V and 230 V – 5 × 2.5 or 4 mm <sup>2</sup> 24 V – 4 × 2.5 or 4 mm <sup>2</sup> Pilot contacts – 4 × 1.0 mm <sup>2</sup> Data cable – 4 × 0.34 mm <sup>2</sup> Compressed air – 1 × 6 mm (internal diameter 4 mm)
Standard cable	400 V and 230 V – 5 × 2.5 mm <sup>2</sup> 24 V – 4 × 2.5 mm <sup>2</sup> 1 × 2.5 mm <sup>2</sup> (reserve) Pilot contacts – 4 × 1.0 mm <sup>2</sup> Data cable – 4 × 0.34 mm <sup>2</sup> Compressed air – 1 × 6 mm (internal diameter 4 mm)
Trigger mechanism	12 V / 24 V 2-pin
Charge indicator light	12 V / 24 V 2-pin
Material	Plastic
Degree of protection	Multifunctional socket IP65 Multifunctional plug IP20 (when connected, IP54)
Protection class	II
Dimensions (W × H × D)	See sections 3.3 to 3.5
Temperature range	-30°C to +75°C
Cable clamp on plug	9.0 – 14.0 mm / 12.0 – 20.0 mm
Overall weight	Multifunctional plug 0.27 kg Multifunctional socket 0.95 kg
Degree of contamination	Class 2

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