

381167285	<b>DATA SHEET</b>	
Valid from: 09.07.2025	<b>EPIC® H-K 006.1/12 MAS 2.5-8</b>	

### Description

- 6 + 12 Pin inserts for harnessing
- Suitable for the general machinery and plant engineering, renewable energy and plastic industry
- 6 power contacts  
12 Signal contacts



Images may vary

### General Characteristics

Series	H-K 6.1/12
Version	Male
Design Size	16B
Number of Contacts	18 + PE
Number of Power Contacts	6
Number of Signal Contacts	12
Termination Method Power	Axial Screw termination: 2.5 – 8 mm <sup>2</sup>
Termination Method Signal	Screw termination: 0.2–2.5 mm <sup>2</sup>
Temperature Range	-40°C up to +125°C

### Mechanical Characteristics

Cycle of mechanical operation	≥ 500
Tightening torque power contact screw	1,5 Nm @ 2,5, 4 mm <sup>2</sup> 2 Nm @ 6, 10 mm <sup>2</sup>
Tightening torque signal contact screw	0.8 Nm
Stripping length power contact	4–6 mm @ 2,5, 4 mm <sup>2</sup> 7–9 mm @ 6, 10 mm <sup>2</sup>
Stripping length signal contact	7.5 mm

### Electrical Characteristics

Rated voltage Power, IEC	690 V
Rated Impulse Voltage Power	8 kV
Rated Current Power, IEC	40 A
Contact Resistance Power	≤ 0,5 mΩ
Rated voltage conductor-earth Signal, IEC	230 V
Rated voltage conductor-conductor Signal, IEC	400 V
Rated Impulse Voltage Signal	4 kV
Rated Current Signal, IEC	10 A
Contact Resistance Signal	≤ 3 mΩ
Pollution degree Power/Signal	3

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Creator: TODV1/BU EPIC	Document: DB381167285EN	Page 1 of 3
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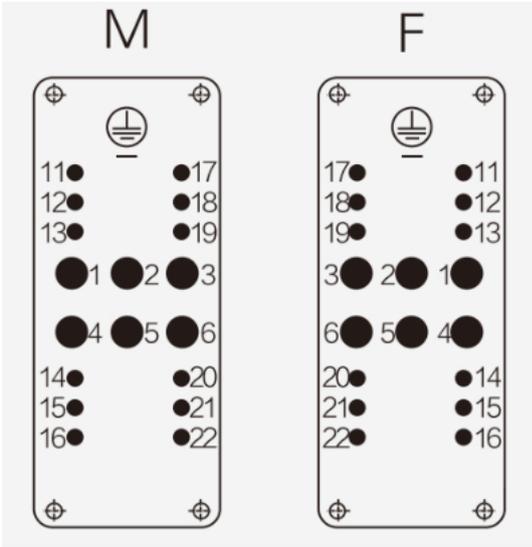
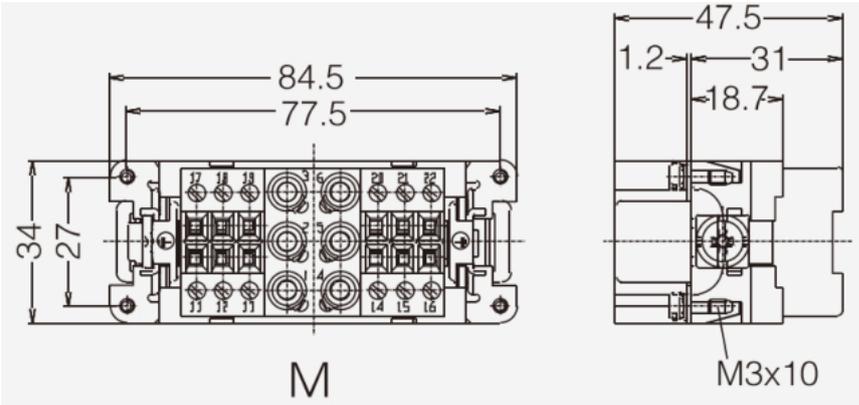
**Materials and Surfaces**

Contacts	Copper alloy, hard-silver plated
Insulating Body	PC
Flammability Class according to UL 94	V-0

**Standard**

Safety Standard	IEC 61984, IEC 60664-1
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**Technical Drawings**



Pin assignment

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Industrial machinery and plant engineering



Temperature-resistant



Robust

**Info**

Combination Insert Power/Signal

**Application range**

Machine building, Mechanical engineering, renewable energy, plastic industry

**Remark**

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

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