381167294	DATA SHEET	LAPP
Valid from: 10.07.2025	EPIC® H-K 006/6 FAS	

Description

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

Images may vary

General Characteristics

Series	H-K 6/6
Version	Female
Design Size	24B
Number of Contacts	12 + PE
Number of Power Contacts	6
Number of Signal Contacts	6
Termination Method	Axial screw termination
Power Conductor Cross-Section	16 – 35 mm²/AWG 5-2
Signal Conductor Cross-Section	0.2 – 2.5 mm²/AWG 24-14
Temperature Range	-40°C up to +125°C

Mechanical Characteristics

Cycle of mechanical operation	≥ 500
Tightening torque power contact screw	6 Nm @ 16 mm² 7 Nm @ 25 mm² 8 Nm @ 35 mm²
Tightening torque signal contact screw	0.8 Nm
Stripping length power contact	13-14 mm
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	100 A
Contact Resistance Power	≤ 0,5 mΩ
Rated voltage Signal, IEC	400 V
Rated Impulse Voltage Signal	6 kV
Rated Current Signal, IEC	16 A
Contact Resistance Signal	≤ 3 mΩ
Pollution degree Power/Signal	3

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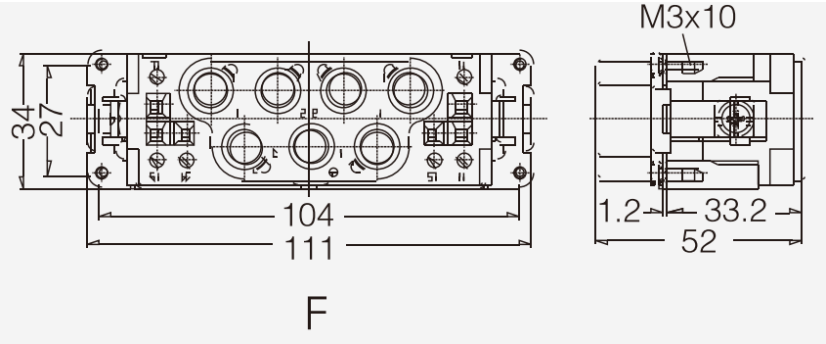
Materials and Surfaces

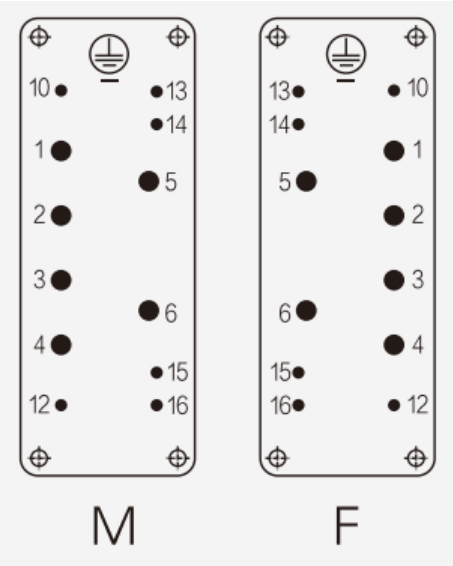
Contacts	Copper alloy, hard-silver plated
Insulating Body	PC
Flammability Class according to UL 94	V-0

Standard

Safety Standard	IEC 61984, IEC 60664-1

Technical Drawings





Pin assignment

We reserve all rights according to DIN ISO 16016.

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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