381167287	DATA SHEET	LAPP
Valid from: 09.07.2025	EPIC® H-K 006.1/12 FAS 2.5-8	

Description

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

Images may vary

General Characteristics

Series	H-K 6.1/12
Version	Female
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 mm²
Termination Method Signal	Screw termination: 0.2–2.5 mm²
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 mm² 2 Nm @ 6, 10 mm²
Tightening torque signal contact screw	0.8 Nm
Stripping length power contact	4-6 mm @ 2,5, 4 mm² 7-9 mm @ 6, 10 mm²
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

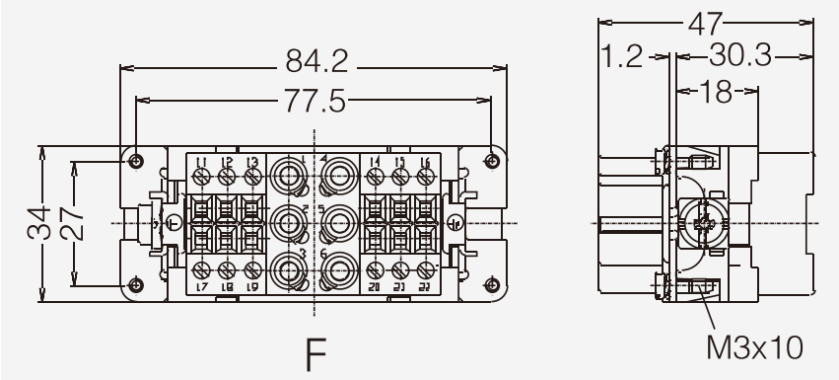
Materials and Surfaces

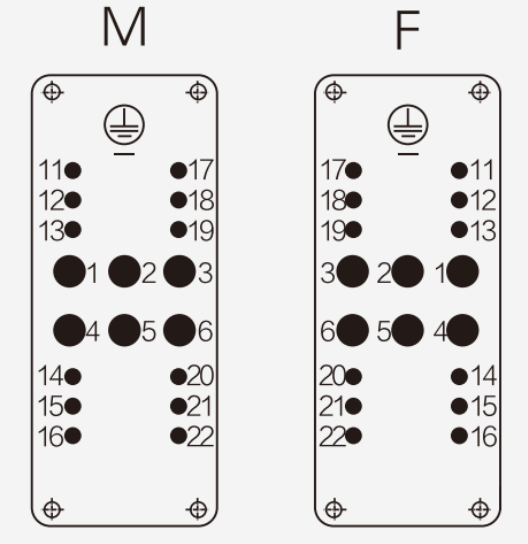
Contacts	Copper alloy, hard-silver plated
Insulating Body	PC
Flammability Class according to UL 94	V-0

Standard

Safety Standard	IEC 61984, IEC 60664-1

Technical Drawings





Pin assignment

CE


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.