

44424054	DATA SHEET	
Valid from: 17.06.2025	EPIC® H-K 004/8 FS	

Description

- 4 + 8 Pin inserts for harnessing
- Suitable for the general machinery and plant engineering, renewable energy and plastic industry
- 4 power contacts
6 signal contacts



Images may vary

General Characteristics

Series	H-K 4/8
Version	Female
Design Size	24B
Number of Contacts	12 + PE
Number of Power Contacts	4
Number of Signal Contacts	8
Termination Method	Screw termination
Power Conductor Cross-Section	1.5 – 16 mm ² /AWG 16-6
Signal Conductor Cross-Section	0.5 – 2.5 mm ² /AWG 20-14
Power Contacts wire Protection	No
Signal Contacts wire Protection	Yes
Temperature Range	-40°C up to +125°C


Mechanical Characteristics

Cycle of mechanical operation	≥ 500
Tightening torque power contact screw	1.2 Nm @ 1.5 mm ² 2 Nm @ 2.5 mm ² 3 Nm @ 4, 6, 10, 16 mm ²
Tightening torque signal contact screw	0.5 Nm
Stripping length power connection	14 mm
Stripping length signal connection	7.5 mm

Electrical Characteristics

Rated voltage Power, IEC	400 V
Rated Voltage Power, UL & CSA	600 V
Rated Impulse Voltage Power	6 kV
Rated Current Power, IEC	80 A
Rated Current Power, UL & CSA	80 A
Contact Resistance Power	≤ 0,3 mΩ
Rated voltage Signal, IEC	400 V
Rated Voltage Signal, UL & CSA	600 V
Rated Impulse Voltage Signal	4 kV
Rated Current Signal, IEC	16 A
Rated Current Signal, UL & CSA	16 A
Contact Resistance Signal	≤ 1 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

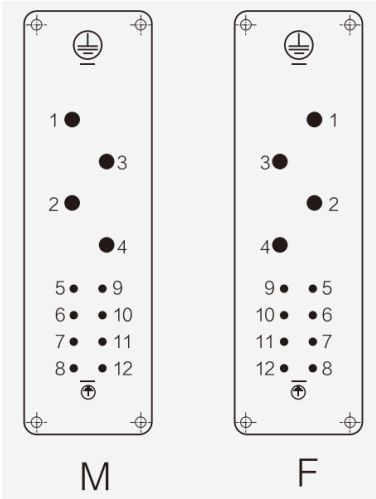
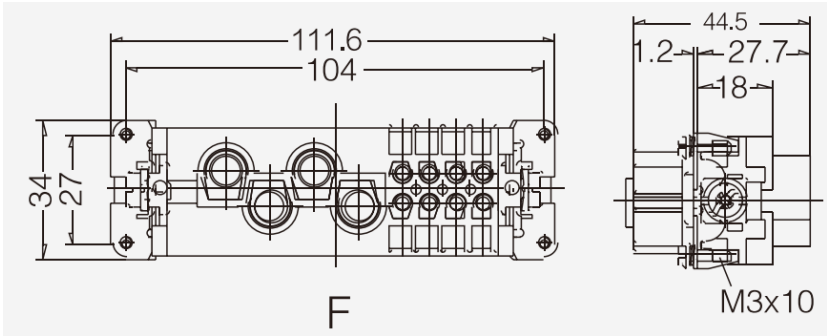
Certifications

UL- Certification, E-File-Number	E75770
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Standard

	IEC 61984, IEC 60664-1
Safety Standard	UL 1977
	CSA 22.2 182.3

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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