

## har-flex ang. power F 12P SMT PL1 400pcs



Image is for illustration purposes only. Please refer to product description.

Part number	15 65 012 2601 000
Specification	har-flex ang. power F 12P SMT PL1 400pcs
HARTING eCatalogue	<a href="https://b2b.harting.com/15650122601000">https://b2b.harting.com/15650122601000</a>

### Identification

Category	Connectors
Series	har-flex®
Identification	Power
Element	Female connector
Description of the contact	Angled

### Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Extender card
Number of contacts	12
Performance level	1
Details	According to IEC 61984, it is an unencapsulated connector. Protection against electric shock must be ensured by the type of installation by the user.
Pack contents	400 pieces on reel

### Technical characteristics

Contact spacing (mating side)	2.54 mm
Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥1.74 mm



Pushing Performance

## Technical characteristics

Creepage distance	≥1.74 mm PCB ≥1.89 mm Connector
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Mating cycles	≥500
Test voltage U <sub>r,m.s.</sub>	1.39 kV
Isolation group	IIIa (175 ≤ CTI < 400)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D
Coplanarity of contacts	0.1 mm

## Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Au over Pd/Ni Mating side Tin plated Termination side
Material flammability class acc. to UL 94	V-0

## Commercial data

Packaging size	1
Country of origin	China
eCl@ss	27440402 PCB connector

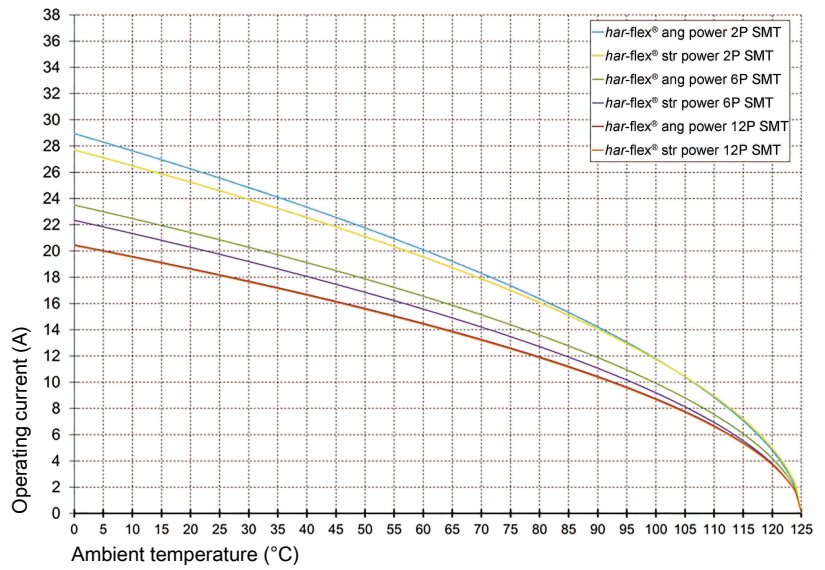


Pushing Performance

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



Derating curve 80%