Pushing Performance
Since 1945

har-flex Power M ang 12P THR PL1 400pcs

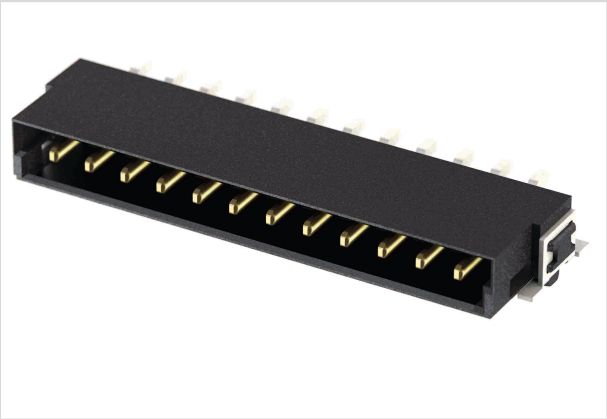


Image is for illustration purposes only. Please refer to product description.

Part number	15 55 012 2701 000
Specification	har-flex Power M ang 12P THR PL1 400pcs
HARTING eCatalogue	https://b2b.harting.com/15550122701000

Identification

Category	Connectors
Series	har-flex®
Identification	Power
Element	Male connector
Description of the contact	Angled
Features	Termination method of hold downs: SMT

Version

Termination method	Reflow soldering termination (THR)
Connection type	Motherboard to daughtercard Extender card
Number of contacts	12
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 (termination side)	2.54 mm
Contact spacing (mating side)	2.54 mm
Rated current	19 A
Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2

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Technical characteristics

Clearance distance	≥0.94 mm
Creepage distance	≥0.94 mm PCB ≥1.89 mm Connector
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.84 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)	Noble metal over Ni Mating side Sn over Ni Termination side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Commercial data

Packaging size	1
Net weight	2,410 g
Country of origin	China
European customs tariff number	85366990

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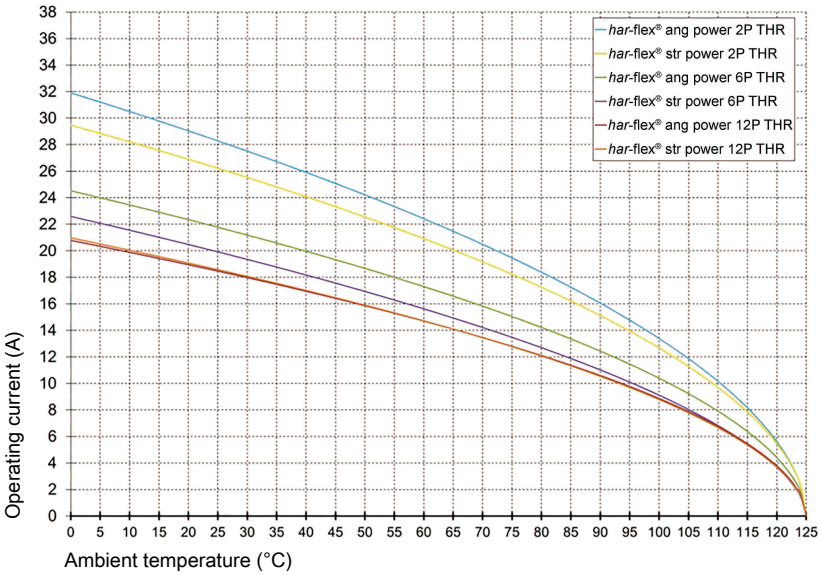
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Commercial data

eCl@ss	27460201 PCB connector (board connector)

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%

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