Pushing Performance

har-flex hy st M 3.25 8+36 SMT PL1 280pc

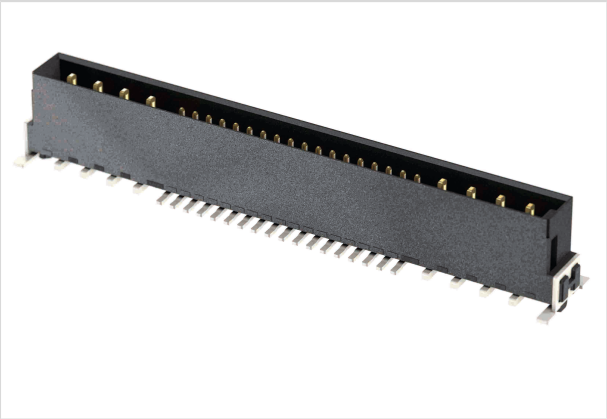

Image is for illustration purposes only. Please refer to product description.

Part number	15 72 836 2601 000
Specification	har-flex hy st M 3.25 8+36 SMT PL1 280pc
HARTING eCatalogue	https://b2b.harting.com/15728362601000

Identification

Category	Connectors
Series	har-flex®
Identification	Hybrid
Element	Male connector
Description of the contact	Straight

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	44
Signal contacts	36
Power contacts	8
Performance level	1
Pack contents	280 pieces on reel

Technical characteristics

Contact spacing (mating side)	1.27 mm 2.54 mm
Stacking height	3.25 mm
Rated voltage	acc. to IEC 60664-1
Rated voltage	50 V AC 120 V DC
Rated impulse voltage	1.5 kV

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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Technical characteristics

Pollution degree	2
Clearance distance	≥0.4 mm Signal contacts ≥1.74 mm Power contacts ≥1.11 mm Signal to power contacts
Creepage distance	≥0.4 mm PCB: Signal contacts ≥1.74 mm PCB: Power contacts ≥1.11 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts ≥1.94 mm Connector: Signal to power contacts
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.5 kV Signal 1.39 kV Signal / Power 1.39 kV Power / Power
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	0.12 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

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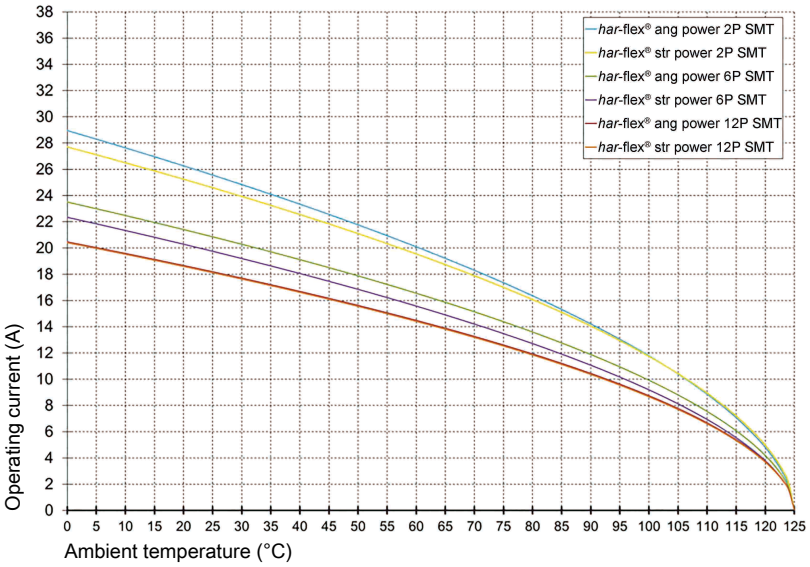
Current carrying capacity

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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