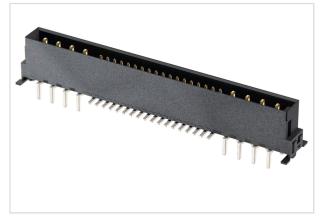


har-flex hy st M 3.25 8+36 THR PL1 200pc



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Part number	15 72 836 2701 000
Specification	har-flex hy st M 3.25 8+36 THR PL1 200pc
HARTING eCatalogue	https://b2b.harting.com/15728362701000

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

Identification

Category	Connectors
Series	har-flex [®]
Identification	Hybrid
Element	Male connector
Description of the contact	Straight
Features	Termination method of power contacts: THR

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	44
Number of signal contacts	36
Number of power contacts	8
Performance level	1
Pack contents	200 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

Page 1 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

Rated impulse voltage1.5 kVPollution degree2Clearance distance≥0.4 mm Signal contacts ≥0.94 mm Power contacts ≥0.7 mm Signal to power contacts ≥0.7 mm Signal to power contactsCreepage distance≥0.4 mm PCB: Signal contacts ≥0.94 mm PCB: Power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.7 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	
Clearance distance ≥0.94 mm Power contacts ≥0.7 mm Signal to power contacts ≥0.4 mm PCB: Signal contacts ≥0.94 mm PCB: Power contacts ≥0.94 mm PCB: Power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts	
≥0.94 mm PCB: Power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts	
Insulation resistance $>10^{10} \Omega$	
Contact resistance ≤25 mΩ	
Limiting temperature -55 +125 °C	
Mating cycles ≥500	
0.5 kV Signal Test voltage U _{r.m.s.} 0.84 kV Signal / Power 0.84 kV Power / Power	
Isolation group IIIa (175 \leq 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	
European customs tariff number 85366990	
eCl@ss 27460201 PCB connector (board connector)	

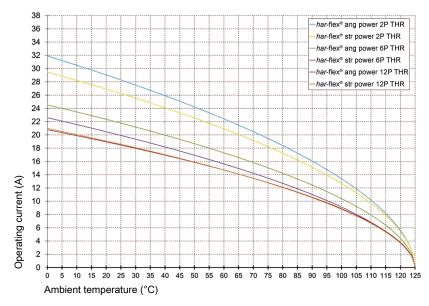
Page 2 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com Product data sheet 15 72 836 2701 000 har-flex hy st M 3.25 8+36 THR PL1 200pc



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 (nonintermittent) 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%

Page 3 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com