

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

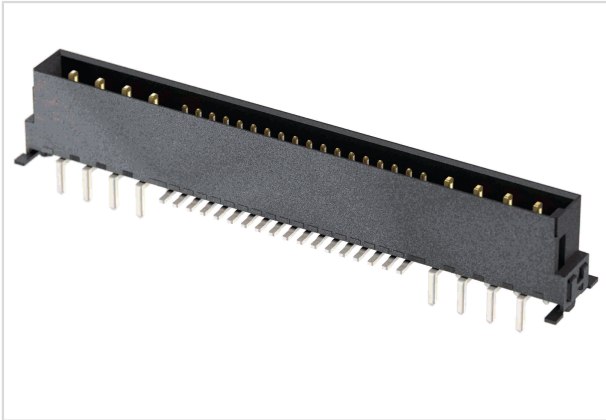


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| 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 |

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 |



Pushing Performance

Technical characteristics

| | |
|----------------------------------|--|
| Rated impulse voltage | 1.5 kV |
| Pollution degree | 2 |
| Clearance distance | ≥0.4 mm Signal contacts |
| | ≥0.94 mm Power contacts |
| | ≥0.7 mm Signal to power contacts |
| Creepage distance | ≥0.4 mm PCB: Signal 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 |
| | ≥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 |
| | 0.84 kV Signal / Power |
| | 0.84 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

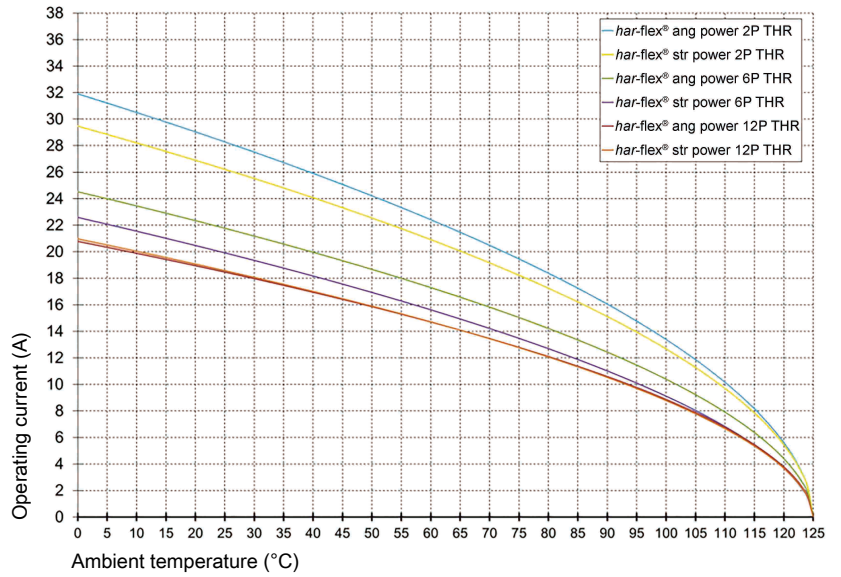
| | |
|--------------------------------|--|
| Packaging size | 1 |
| Country of origin | China |
| European customs tariff number | 85366990 |
| eCl@ss | 27460201 PCB connector (board connector) |



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%