

har-flex Hybrid F ang 6+26 THR PL1 400pc

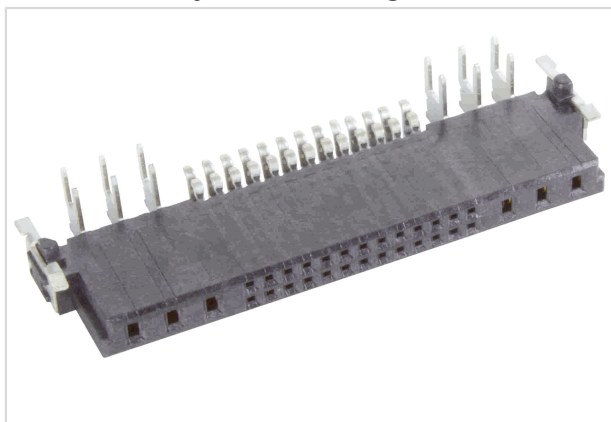


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| Part number | 15 85 626 2701 000 |
| Specification | har-flex Hybrid F ang 6+26 THR PL1 400pc |
| HARTING eCatalogue | https://b2b.harting.com/15856262701000 |

Identification

| | |
|----------------------------|---|
| Category | Connectors |
| Series | har-flex® |
| Identification | Hybrid |
| Element | Female connector |
| Description of the contact | Angled |
| Features | Termination method of power contacts: THR |

Version

| | |
|---------------------------|--|
| Termination method | Reflow soldering termination (SMT) |
| Connection type | Motherboard to daughtercard Extender card |
| Number of contacts | 32 |
| Number of signal contacts | 26 |
| Number of power contacts | 6 |
| Pack contents | 400 pieces on reel |

Technical characteristics

| | |
|------------------------------------|----------|
| Contact spacing (termination side) | 1.27 mm |
| | 2.54 mm |
| Contact spacing (mating side) | 1.27 mm |
| | 2.54 mm |
| Rated current | 21.5 A |
| Rated voltage | 50 V AC |
| | 120 V DC |



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Technical characteristics

| | |
|----------------------------------|--|
| Rated voltage | acc. to IEC 60664-1 |
| 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 |
| | ≥2.09 mm Connector: Signal to power contacts |
| 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.} | 0.5 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) | 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 |



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Material properties

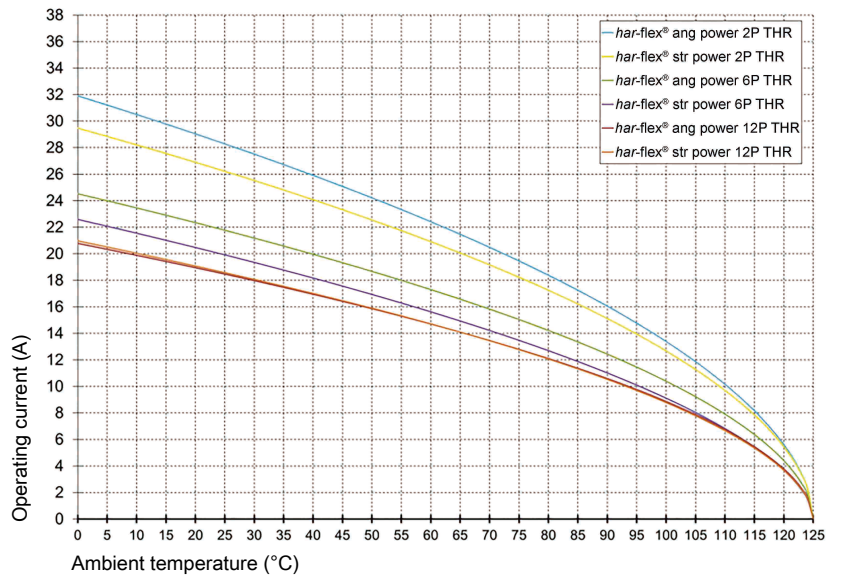
| | |
|--------------------------------------|---------------|
| REACH SVHC substances | Not contained |
| California Proposition 65 substances | Not contained |

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Country of origin | China |
| European customs tariff number | 85366990 |
| GTIN | 5713140205383 |
| 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



Rated current Signal contacts 0.5 A