

HPP 20p. Device Side Cable Assembly 0,5m



| | |
|--------------------|---------------------------------------------------------------------------------------------|
| Part number | 33 22 143 0500 002 |
| Specification | HPP 20p. Device Side Cable Assembly 0,5m |
| HARTING eCatalogue | https://b2b.harting.com/33221430500002 |

Identification

| | |
|---------------|-------------------------------------|
| Category | Cable assemblies |
| Series | HARTING PushPull (V4) |
| Specification | Pre-assembled on one side |
| Connector 1 | HARTING PushPull (V4) Thermoplastic |
| Type of cable | Copper cable (round) |

Version

| | |
|-----------------|------------|
| Number of cores | 20 |
| Core structure | 20x AWG 26 |

Technical characteristics

| | |
|------------------------------------|--------------------|
| Contact spacing (termination side) | 1.9 mm |
| | 2 mm |
| Contact spacing (mating side) | 1.9 mm |
| | 2 mm |
| Rated current | 2 A |
| Rated voltage | 50 V |
| Clearance distance | ≥1.2 mm |
| Creepage distance | ≥1.9 mm |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤20 mΩ |
| Limiting temperature | -40 ... +80 °C |
| Insertion force | 50 N |
| Withdrawal force | 50 N |



Pushing Performance

Technical characteristics

| | |
|---------------------------|-------------------------------------------------------------------------------|
| Mating cycles | ≥100 |
| Cable length | 0.5 m |
| Test voltage $U_{r,m.s.}$ | 2 kV (contact-contact) 2 kV (contact-ground) |
| Isolation group | I ($600 \leq CTI$) |
| Vibration resistance | 10-500 Hz, 5 g, 0.35 mm, 10 sweep cycles acc. to IEC 61373 Category 1 Class B |
| Shock resistance | 50 g / 11 ms, 3 shocks / axis and direction |

Material properties

| | |
|-------------------------------------------|-------------------------------------------------------------|
| Material (insert) | Polyamide (PA) |
| Colour (insert) | Black |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Silver plated Termination side Silver plated Mating side |
| Material (cable) | PUR (polyurethane) |
| Colour (cable) | Black |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant |
| ELV status | compliant |
| China RoHS | e |
| REACH Annex XVII substances | No |
| REACH ANNEX XIV substances | No |
| REACH SVHC substances | No |

Commercial data

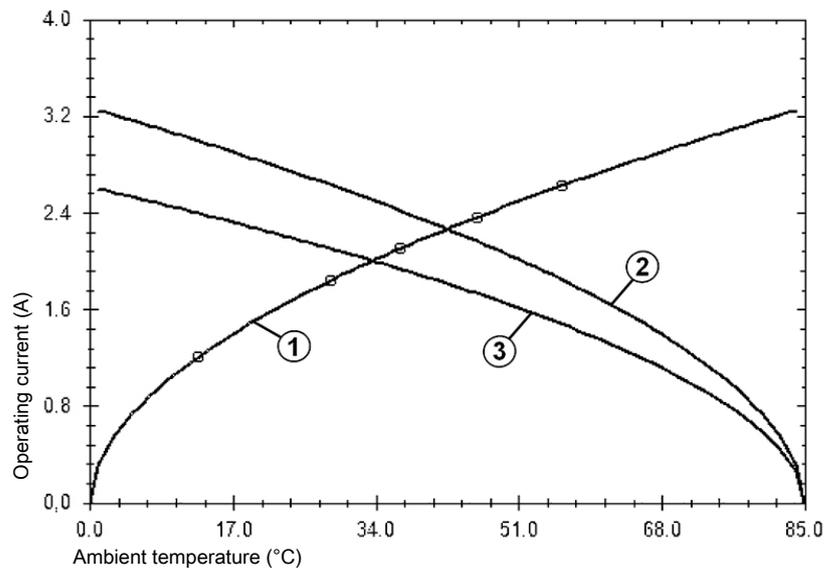
| | |
|--------------------------------|----------------------------------------------|
| Packaging size | 1 |
| Net weight | 69.4 g |
| Country of origin | China |
| European customs tariff number | 8544421100 |
| eCl@ss | 27060390 Ready-made data cable (unspecified) |



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



- ① Heating
 - ② Derating curve
 - ③ Derating curve 80%
- Conductor cross-section 0.2 mm²