

Cable Mode3 Type2 20A 3ph 5m spiral



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

| | |
|--------------------|---|
| Part number | 08 91 409 0301 A0 |
| Specification | Cable Mode3 Type2 20A 3ph 5m spiral |
| HARTING eCatalogue | https://b2b.harting.com/08914090301A0 |

Identification

| | |
|---------------|--------------------------------------|
| Element | Charging cable |
| Specification | Spiralised |
| Charging mode | Mode 3 |
| Connector 1 | Type 2 Female (Vehicle side) |
| Connector 2 | Type 2 Male (infrastructure side) |

Version

| | |
|---------------------------|--|
| Cable length | 5 m |
| Termination method | Crimp termination |
| Core structure | 5x 2.5 mm ² + 0.5 mm ² |
| Number of phases | 3 |
| Number of contacts | 7 |
| Number of signal contacts | 2 |
| Number of power contacts | 5 |
| Contact configuration | Signal: CP, PP Power: L1, L2, L3, N, PE |

Technical characteristics

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|------------------------|-------|
| Rated current (signal) | 2 A |
| Rated voltage (signal) | 30 V |
| Rated current (power) | 20 A |
| Rated voltage (power) | 480 V |



Pushing Performance

Technical characteristics

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|--|--|
| Type of current | AC |
| Charging power | 11 kW |
| Coding resistance | 680 Ω between PE and PP |
| Ambient temperature | -30 ... +50 °C in operation -40 ... +80 °C storage/transport |
| Air pressure | \geq 540 hPa \approx 5000 m |
| Insertion force | <100 N |
| Withdrawal force | <100 N |
| Mating cycles | \geq 10,000 |
| Degree of protection acc. to IEC 60529 | IP44 mated condition |
| Cable diameter | 12.8 mm \pm 0.4 mm |
| Minimum bending radius | 9x Cable diameter (repeated bending) |
| Conductor resistance @ 20 °C | \leq 7.98 Ω /km @ 2.5 mm ² \leq 39 Ω /km @ 0.5 mm ² |

Material properties

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|---|--|
| Material (insert) | Polyamide (PA) |
| Colour (insert) | Black |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Silver plated |
| Material (hood/housing) | Polyamide (PA) |
| Colour (hood/housing) | Black |
| Material (cover) | Thermoplastic polyurethane (TPU) |
| Material (cable) | Thermoplastic polyurethane (TPU) |
| Colour (cable) | Black |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant with exemption |
| RoHS exemptions | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status | compliant with exemption |
| China RoHS | 50 |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Yes |
| REACH SVHC substances | Lead |



Pushing Performance

Material properties

| | |
|--------------------------------------|------|
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead |

Specifications and approvals

| | |
|----------------|-------------|
| Specifications | IEC 62196-2 |
| | IEC 62893 |
| CE | Yes |

Commercial data

| | |
|--------------------------------|------------------------------------|
| Packaging size | 1 |
| Net weight | 4 kg |
| Country of origin | Romania |
| European customs tariff number | 85444991 |
| eCl@ss | 27144705 Charging cable E-Mobility |