

# Han 200A axial module, male 40-70 mm<sup>2</sup>



| Part number        | 09 14 001 2662                                    |
|--------------------|---|
| Specification      | Han 200A axial module, male 40-70 mm <sup>2</sup> |
| HARTING eCatalogue | https://b2b.harting.com/09140012662               |

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

#### Identification

| Category           | Modules                       |
|--------------------|-------------------------------|
| Series             | Han-Modular <sup>®</sup>      |
| Type of module     | Han <sup>®</sup> 200 A module |
| Size of the module | Double module                 |
| Version            |                               |

| Termination method | Axial screw termination |
|--------------------|-------------------------|
| Gender             | Male                    |
| Number of contacts | 1                       |

## **Technical characteristics**

| Conductor cross-section  | 50 70 mm²           |
|--------------------------|---------------------|
| Rated current            | 200 A               |
| Rated voltage            | 1,000 V             |
| Rated impulse voltage    | 8 kV                |
| Pollution degree         | 3                   |
| Rated voltage acc. to UL | 600 V               |
| Insulation resistance    | >10 <sup>10</sup> Ω |
| Contact resistance       | ≤0.2 mΩ             |
| Stripping length         | 16 17 mm            |
| Tightening torque        | 9 10 Nm             |
| Limiting temperature     | -40 +125 °C         |

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### Technical characteristics

| Material properties       Material (insert)     Polycarbonate (PC)       Colour (insert)     RAL 7032 (pebble grey)       Material (contacts)     Copper alloy       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       RoHARDANEX XIV substances     Not contained       RACH ANNEX XIV substances     Not contained       REACH SVHC substances     Yes       REACH SVHC substances     Yes       California Proposition 65 substances     Yes       California Proposition 65 substances     Yes       California Proposition 65 substances     Yes       Fre protection on railway vehicles     EN45545 (2020-08)       Fre protection on railway vehicles     EN45545 (2020-08)       Requirement set with Hazard Levels     R22 (HL 1-3)<br>R23 (HL 1-3)   | Mating cycles                             | ≥500   |
|--|---|--|
| Colour (insert)RAL 7032 (pebble grey)Material (contacts)Copper alloySurface (contacts)Silver platedMaterial flammability class acc. to UL 94V-0RoHScompliant with exemptionRoHS6(c): Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesVesREACH SVHC substancesYesREACH SVHC substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesMatimony trioxide<br>Lead<br>NickelFire protection on railway vehiclesEN 45545-2 (2020-08)Paruirgment set with Harard LavaleR22 (HL 1-3)   | Material properties                       |  |
| Material (contacts)     Copper alloy       Surface (contacts)     Silver plated       Material flammability class acc. to UL 94     V-0       RoHS     compliant with exemption       RoHS     compliant with exemption       RoHS     G(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       ECHA SCIP number     5dbb3851-b94e-4e88-97a1-571845975242       California Proposition 65 substances     Yes       California Proposition 65 substances     Yes       California Proposition 65 substances     Yes       Fire protection on railway vehicles     EN 45545-2 (2020-08)       Fire protection on railway vehicles     EN 45545-2 (2020-08)   | Material (insert)                         | Polycarbonate (PC)                                     |
| Surface (contacts)Silver platedSurface (contacts)Silver platedMaterial flammability class acc. to UL 94V-0RoHScompliant with exemptionRoHS6(c): Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadECHA SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesNot softaleFire protection on railway vehiclesEN 45545-2 (2020-08)Paruirament set with Harzerd LavalsR22 (HL 1-3)   | Colour (insert)                           | RAL 7032 (pebble grey)                                 |
| 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   ECHA SCIP number 5dbb3851-b94e-4e88-97a1-571845975242   California Proposition 65 substances Yes   California Proposition 65 substances Net   Fire protection on railway vehicles EN 45545-2 (2020-08)   Parturingment set with Hazard Lavale R22 (HL 1-3)  | Material (contacts)                       | Copper alloy   |
| RoHScompliant with exemptionRoHS exemptions6(c): Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadECHA SCIP number5db3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesNet Source and Net | Surface (contacts)                        | Silver plated  |
| RoHS exemptions6(c): Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadCAIFORNIA SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesEN 45545-2 (2020-08)Fire protection on railway vehiclesEN 45545-2 (2020-08)R22 (HL 1-3)R22 (HL 1-3)   | Material flammability class acc. to UL 94 | V-0  |
| ELV statuscompliant with exemptionELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadREACH SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesYesFire protection on railway vehiclesEN 45545-2 (2020-08)Reauring ment set with Hazard LevelsR22 (HL 1-3)   | RoHS                                      | compliant with exemption                               |
| China RoHS50REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadECHA SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesYesFire protection on railway vehiclesEN 45545-2 (2020-08)ReadR22 (HL 1-3)  | RoHS exemptions                           | 6(c): Copper alloy containing up to 4 % lead by weight |
| REACH Annex XVII substances   Not contained     REACH ANNEX XIV substances   Not contained     REACH SVHC substances   Yes     REACH SVHC substances   Lead     ECHA SCIP number   5dbb3851-b94e-4e88-97a1-571845975242     California Proposition 65 substances   Yes     California Proposition 65 substances   Yes     Fire protection on railway vehicles   EN 45545-2 (2020-08)     Reacuirement set with Hazard Levels   R22 (HL 1-3)  | ELV status                                | compliant with exemption                               |
| REACH ANNEX XIV substancesNot containedREACH SVHC substancesYesREACH SVHC substancesLeadECHA SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesKesEre protection on railway vehiclesEN 45545-2 (2020-08)Requirement set with Hazard LevelsR22 (HL 1-3)  | China RoHS                                | 50   |
| REACH SVHC substancesYesREACH SVHC substancesLeadECHA SCIP number5dbb3851-b94e-4e88-97a1-571845975242California Proposition 65 substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxideLeadLeadNickelNickelFire protection on railway vehiclesEN 45545-2 (2020-08)R22 (HL 1-3)R22 (HL 1-3)  | REACH Annex XVII substances               | Not contained  |
| REACH SVHC substances   Lead     ECHA SCIP number   5dbb3851-b94e-4e88-97a1-571845975242     California Proposition 65 substances   Yes     California Proposition 65 substances   Yes     California Proposition 65 substances   Antimony trioxide     Lead   Nickel     Fire protection on railway vehicles   EN 45545-2 (2020-08)     R22 (HL 1-3)   R22 (HL 1-3)   | REACH ANNEX XIV substances                | Not contained  |
| ECHA SCIP number   5dbb3851-b94e-4e88-97a1-571845975242     California Proposition 65 substances   Yes     California Proposition 65 substances   Antimony trioxide     Lead   Lead     Nickel   Nickel     Fire protection on railway vehicles   EN 45545-2 (2020-08)     R22 (HL 1-3)   R22 (HL 1-3)   | REACH SVHC substances                     | Yes  |
| California Proposition 65 substances   Yes     California Proposition 65 substances   Antimony trioxide<br>Lead<br>Nickel     Fire protection on railway vehicles   EN 45545-2 (2020-08)     R22 (HL 1-3)   R22 (HL 1-3)   | REACH SVHC substances                     | Lead   |
| California Proposition 65 substances   Antimony trioxide     Lead   Lead     Nickel   Nickel     Fire protection on railway vehicles   EN 45545-2 (2020-08)     R22 (HL 1-3)   R22 (HL 1-3)  | ECHA SCIP number                          | 5dbb3851-b94e-4e88-97a1-571845975242                   |
| California Proposition 65 substances   Lead     Nickel   Nickel     Fire protection on railway vehicles   EN 45545-2 (2020-08)     Requirement set with Hazard Levels   R22 (HL 1-3)   | California Proposition 65 substances      | Yes  |
| R22 (HL 1-3)   | California Proposition 65 substances      | Lead   |
| Reduirement set with Hazard Levels   | Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                   |
|  | Requirement set with Hazard Levels        |  |

#### Specifications and approvals

| Specifications | IEC 60664-1<br>IEC 61984 |
|----------------|--------------------------|
| Approvals      | DNV GL                   |
| UL / CSA       | UL 1977 ECBT2.E235076    |

# Commercial data

| Packaging size    | 1       |
|-------------------|---------|
| Net weight        | 69.9 g  |
| Country of origin | Germany |

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#### Commercial data

| European customs tariff number | 85366990  |
|--------------------------------|---|
| GTIN                           | 5713140019133   |
| eCl@ss                         | 27440217 Module for industrial connectors (power/signals) |

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