



Pushing Performance  
Since 1945

# har-flexicon 5.00 FCV-5 Profinet S

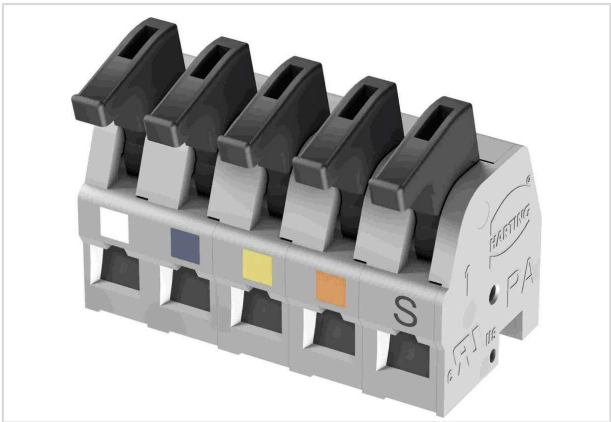


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 14 31 051 6201 201                                                                  |
| Specification      | har-flexicon 5.00 FCV-5 Profinet S                                                  |
| HARTING eCatalogue | <a href="https://harting.com/14310516201201">https://harting.com/14310516201201</a> |

## Identification

|          |               |
|----------|---------------|
| Category | Connectors    |
| Series   | har-flexicon® |
| Element  | Connector     |

## Version

|                                   |                          |
|-----------------------------------|--------------------------|
| Termination method                | Spring clamp termination |
| Connection type                   | PCB to cable             |
| Number of contacts                | 5                        |
| Number of data contacts           | 4                        |
| Number of special contacts        | 1                        |
| Specification of special contacts | Shielding                |
| Coding                            | White                    |
|                                   | Blue                     |
|                                   | Yellow                   |
|                                   | Orange                   |

## Technical characteristics

|                                    |                              |
|------------------------------------|------------------------------|
| Conductor cross-section            | 0.08 ... 1.5 mm² Solid       |
|                                    | 0.08 ... 1.5 mm² Stranded    |
| Conductor cross-section [AWG]      | AWG 28 ... AWG 16 Solid      |
|                                    | AWG 28 ... AWG 16 Stranded   |
| Contact rows                       | 1                            |
| Contact spacing (termination side) | 5 mm                         |
| Pollution degree                   | 3                            |
| Transmission characteristics       | Cat. 5 Class D up to 100 MHz |



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## Technical characteristics

|                      |                      |
|----------------------|----------------------|
| Data rate            | 10 Mbit/s            |
|                      | 100 Mbit/s           |
| Clearance distance   | 3.7 mm               |
| Creepage distance    | 3.7 mm               |
| Stripping length     | 4 mm                 |
| Limiting temperature | -40 ... +105 °C      |
| Isolation group      | II (400 ≤ CTI < 600) |

## Material properties

|                                           |                      |
|-------------------------------------------|----------------------|
| Material (insert)                         | PA46                 |
| Colour (insert)                           | Grey                 |
| Material (contacts)                       | Copper alloy         |
|                                           | Spring steel         |
| Surface (contacts)                        | Sn Mating side       |
|                                           | Sn 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        |
| REACH SVHC substances                     | Not contained        |
| California Proposition 65 substances      | Not contained        |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels        | R26                  |

## Specifications and approvals

|          |                                    |
|----------|------------------------------------|
| UL / CSA | UL 1059 XCFR2.E314677              |
|          | CSA-C22.2 No. 158-10 XCFR8.E314677 |
| PROFINET | Yes                                |

## Commercial data

|                   |         |
|-------------------|---------|
| Packaging size    | 100     |
| Net weight        | 5.906 g |
| Country of origin | China   |



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Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140280120                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |
| ETIM                           | EC002637                                 |
| UNSPSC 24.0                    | 39121415                                 |