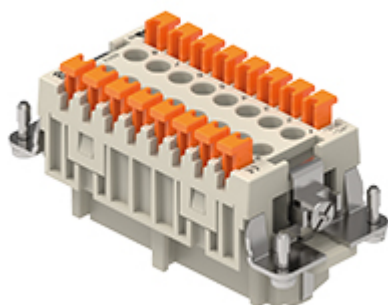


Part number

# RSHF 16



Female insert, RSH series, SQUICH® spring terminal connection without tools, 16 poles + PE, 16 A 500 V 6 kV 3, size "77.27", HNM - High Number of Matings version

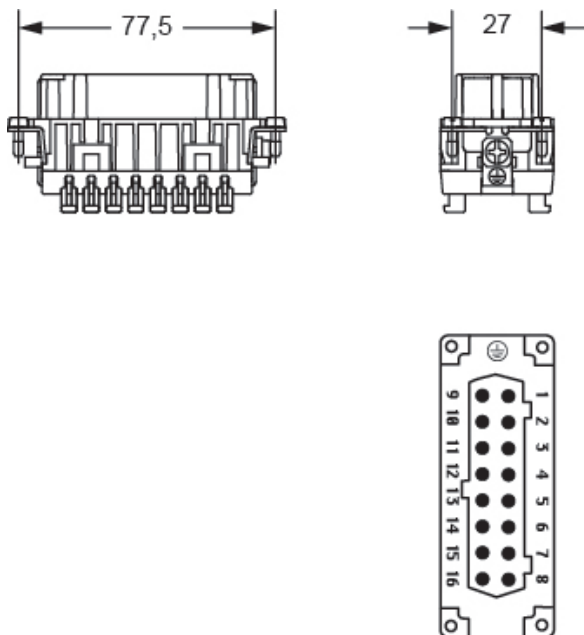
| Product description                    |                                                                                               | Material properties          |                                                                                |
|----------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|
| Product type                           | Insert                                                                                        | Main material                | Polycarbonate (PC)                                                             |
| Series                                 | RSH                                                                                           | Other materials              | Contacts: copper alloy                                                         |
| Connection type                        | SQUICH® spring terminal connection without tools                                              | Colour                       | RAL 7032 grey                                                                  |
| Gender                                 | Female                                                                                        | RoHs conformity              | Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight |
| N. of poles                            | 16 poles +  | China RoHs - EFUP            | 50                                                                             |
| Size                                   | Size 77.27                                                                                    | REACH SVHC substances        | Yes                                                                            |
| Specification                          | HNM - High Number of Matings version                                                          | Lead                         | Lead                                                                           |
| Technical data                         |                                                                                               | SCIP number                  | 1a9c93ff-0445-4a16-81e3-1609ac5274d6                                           |
| Current                                | 16 A                                                                                          | Approvals / Standards        |                                                                                |
| Voltage                                | 500 V                                                                                         | Certifications               | DNV, EAC                                                                       |
| Rated impulse withstand voltage        | 6 kV                                                                                          | General ordering information |                                                                                |
| Pollution degree                       | 3                                                                                             | EAN13 code                   | 8015747281065                                                                  |
| Rated voltage according to UL/CSA      | 600 V                                                                                         | eCl@ss 8.1                   | 27440205                                                                       |
| Wire cross-section                     | 0,14 mm² - 2,50 mm²                                                                           | ETIM 7.0                     | EC000438                                                                       |
| AWG size                               | 26 - 14                                                                                       | Packaging Information        |                                                                                |
| Contact type                           | Turned gold plated                                                                            | Packaging length             | 245,00 mm                                                                      |
| IP degree of protection                | IP20 without enclosure, IP65/IP66/IP68/IP69 with enclosure                                    | Packaging height             | 165,00 mm                                                                      |
| Further technical details              |                                                                                               | Packaging width              | 215,00 mm                                                                      |
| Characteristics according to EN 61984  | 16A 500V 6kV 3                                                                                | Packaging weight             | 3,26 kg                                                                        |
| Mating cycles                          | ≥ 10000                                                                                       | Packaging volume             | 8,69 dm³                                                                       |
| Insulation resistance                  | ≥ 10 GΩ                                                                                       | Packaging description        | Carton box                                                                     |
| Contact resistance                     | ≤ 3 mΩ                                                                                        | Packaging quantity           | 30 Pcs                                                                         |
| Weight                                 | 92,00 g                                                                                       | Packaging EAN code           | 8015747281072                                                                  |
| Operating temperature range (min, max) | -40°C...+125°C                                                                                | Sub-packaging length         | 197,00 mm                                                                      |
| Conductors stripping length            | 7 mm                                                                                          | Sub-packaging height         | 44,00 mm                                                                       |
| UL 94 flammability rating              | V-0                                                                                           | Sub-packaging width          | 113,00 mm                                                                      |
|                                        |                                                                                               | Sub-packaging weight         | 0,54 kg                                                                        |
|                                        |                                                                                               | Sub-packaging volume         | 0,98 dm³                                                                       |
|                                        |                                                                                               | Sub-packaging description    | Carton tray                                                                    |
|                                        |                                                                                               | Sub-packaging quantity       | 5 Pcs                                                                          |
|                                        |                                                                                               | Sub-packaging EAN barcode    | 8015747281089                                                                  |

Part number

# RSHF 16

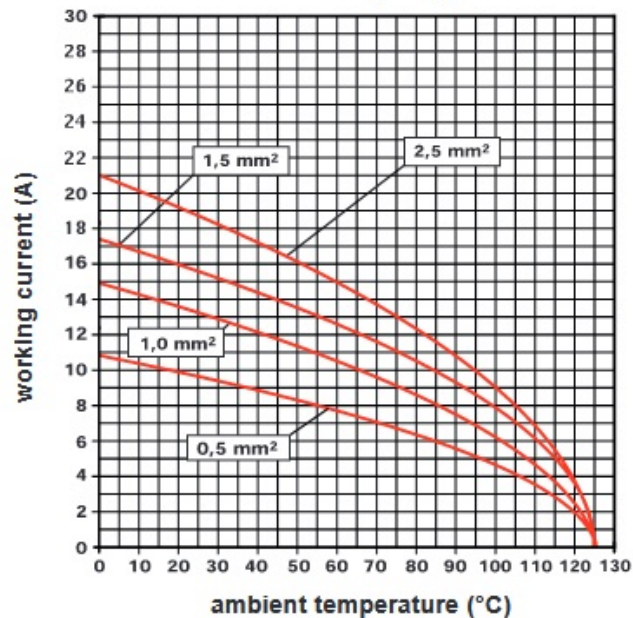


## Catalogue drawings



## Derating curves

**RSH 16 poles connector inserts**  
**Maximum current load derating diagram**



## Notes

### California Proposition 65 Information



### WARNING

This product can expose you to lead and its compounds, known to the State of California to cause cancer and/or reproductive toxicity. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California Proposition 65 Information

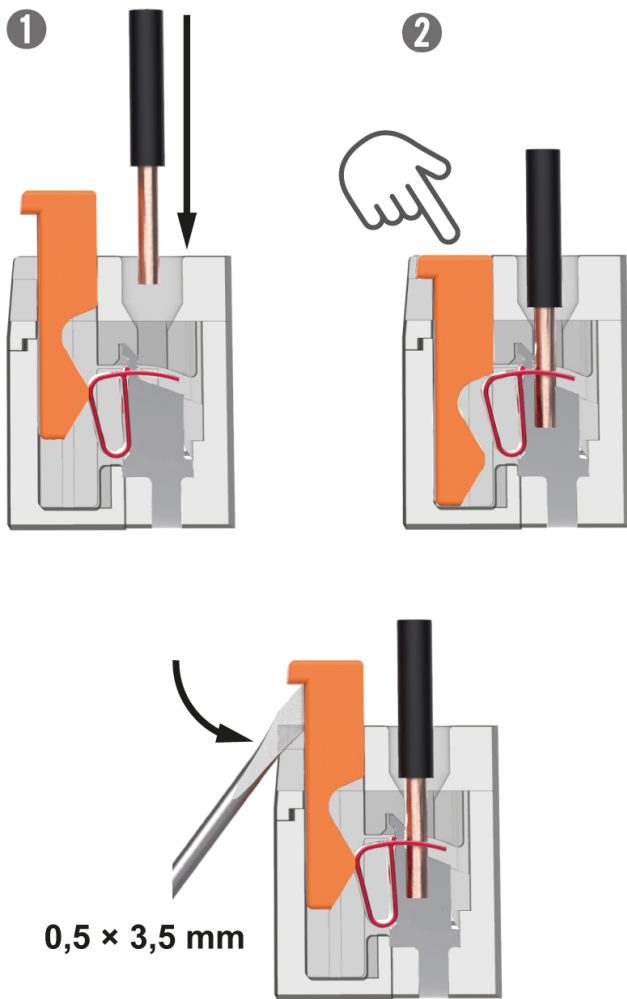


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Dimensions shown in mm are not binding and may be changed without notice.

SQUICH® connection with actuator button



Reopening

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