

Part number

# CX 06 CYM



Male modular insert, Mixo series, AXYR®  
spring push-in terminal connection without  
tools, 6 poles, 1 module, 16 A 500 V 6 kV 3

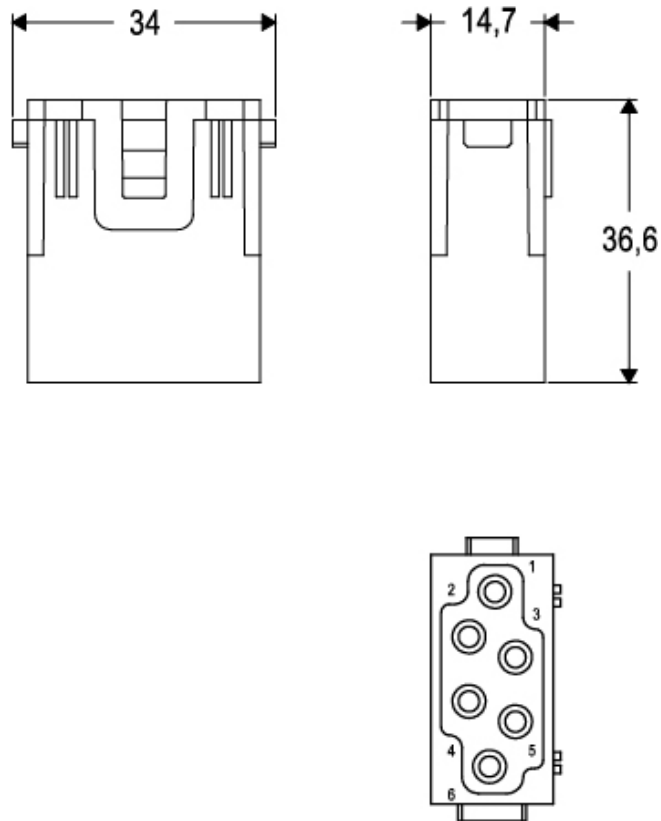
| Product description                    |                                                             | Material properties          |                                                                                |
|----------------------------------------|-------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|
| Product type                           | Modular insert                                              | Main material                | Polycarbonate (PC)                                                             |
| Series                                 | Mixo                                                        | Other materials              | Contacts: copper alloy                                                         |
| Connection type                        | AXYR® high density spring terminal connection without tools | Colour                       | RAL 7032 grey                                                                  |
| Gender                                 | Male                                                        | RoHS conformity              | Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight |
| N. of poles                            | 6 poles                                                     | China RoHS - EFUP            | 50                                                                             |
| Size                                   | 1 module                                                    | REACH SVHC substances        | Yes<br>Lead                                                                    |
| Technical data                         |                                                             | General ordering information |                                                                                |
| Current                                | 16 A                                                        | EAN13 code                   | 8015747284264                                                                  |
| Voltage                                | 500 V                                                       | eCl@ss 8.1                   | 27440205                                                                       |
| Rated impulse withstand voltage        | 6 kV                                                        | ETIM 7.0                     | EC000438                                                                       |
| Pollution degree                       | 3                                                           | Packaging Information        |                                                                                |
| Rated voltage according to UL/CSA      | 600 V                                                       | Packaging length             | 220,00 mm                                                                      |
| Wire cross-section                     | 0,25 mm² - 4,00 mm²                                         | Packaging height             | 130,00 mm                                                                      |
| AWG size                               | 24 - 12                                                     | Packaging width              | 240,00 mm                                                                      |
| Contact type                           | Turned silver plated                                        | Packaging weight             | 1,45 kg                                                                        |
| IP degree of protection                | IP20 without enclosure, IP65/IP66/IP68/IP69 with enclosure  | Packaging volume             | 6,86 dm³                                                                       |
| Further technical details              |                                                             | Packaging description        | Carton box                                                                     |
| Characteristics according to EN 61984  | 16 A 500 V 6 kV 3                                           | Packaging quantity           | 60 Pcs                                                                         |
| Mating cycles                          | ≥ 500                                                       | Packaging EAN code           | 8015747284271                                                                  |
| Insulation resistance                  | ≥ 10 GΩ                                                     | Sub-packaging weight         | 0,02 kg                                                                        |
| Contact resistance                     | ≤ 3 mΩ                                                      | Sub-packaging description    | Plastic bag                                                                    |
| Weight                                 | 19,50 g                                                     | Sub-packaging quantity       | 1 Pcs                                                                          |
| Operating temperature range (min, max) | -40 °C ... +125 °C                                          | Sub-packaging EAN barcode    | 8015747139861                                                                  |
| Conductors stripping length            | 9...11 mm                                                   |                              |                                                                                |
| UL 94 flammability rating              | V-0                                                         |                              |                                                                                |

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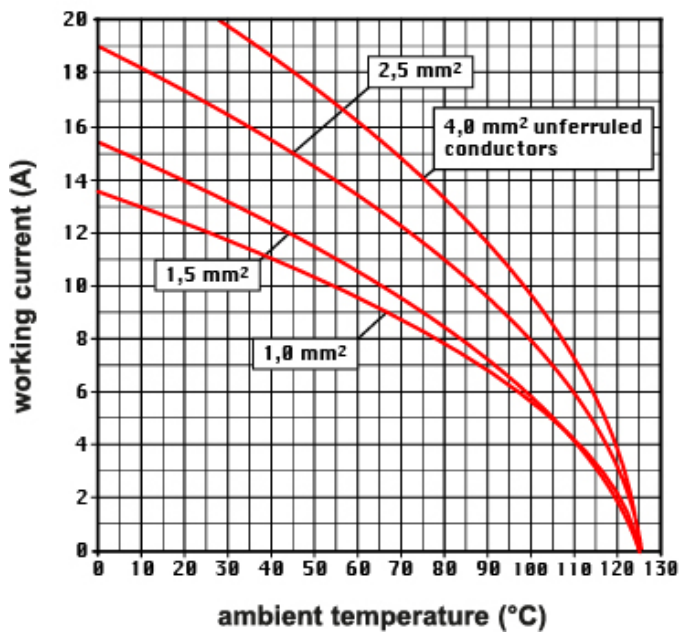


## Catalogue drawings



## Derating curves

**CX..CY 6 poles connector inserts**  
**Maximum current load derating diagram**



## Notes

Standard modular inserts:

-in combination with standard contacts and standard frames (CX ... TF/TM); must be mounted either in traditional enclosures or in COB panel supports (both up to 500 matings).

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

AXYR® Mixo series inserts for wires with the following cross-sectional areas either ferruled or unferruled:

- modules from 6 to 8 poles

0,25 - 4 mm² (24 - 12 AWG)

for prepared wires useable section:

0,25 - 2,5 mm² (24 - 14 AWG)

-12 poles modules

0,14 - 2,5 mm² (26 - 14 AWG)

for prepared wires useable section:

0,14 - 1,5 mm² (26 - 16 AWG)