

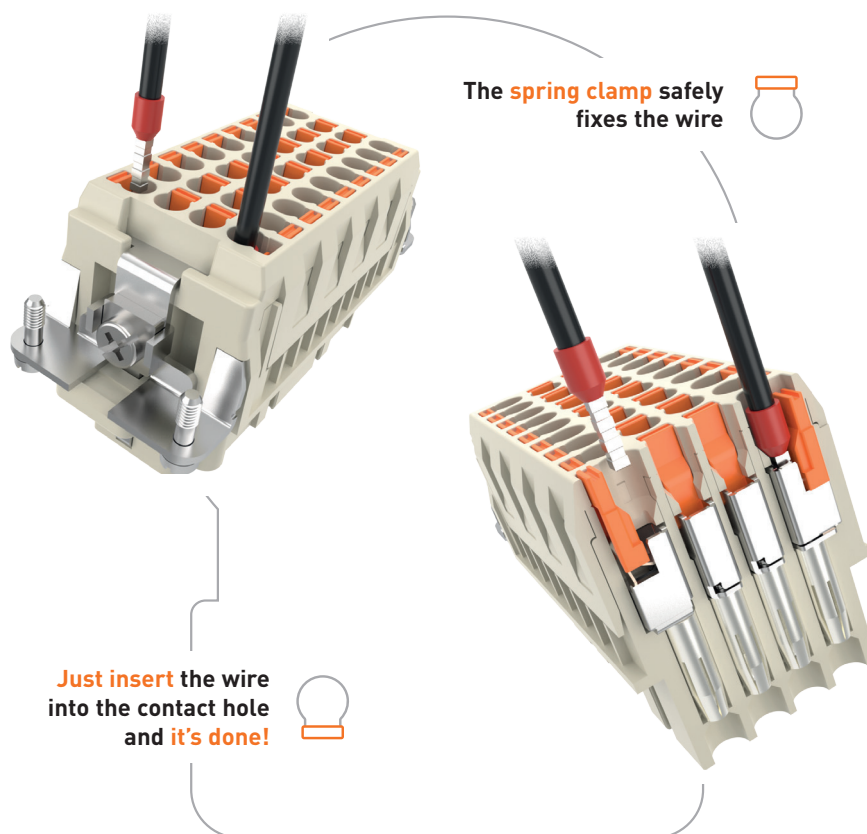
INSERTS TERMINATION TECHNOLOGIES

AXYR®

Tool-less, high-density & fast connection

AXYR® is the new rapid connection technology developed by ILME to optimize work times and methods, enabling industries of all sectors to reach their automation targets more effectively. An **extremely compact push-in spring termination** which equals crimp connectors in high density,

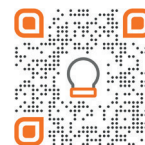
therefore guaranteeing an equivalent electrical performance. Wiring in axis is the formula that recaps the technology strong point as it enables **straightforward tool-less wiring**. Operations require one simple step: wire insertion.



KEY ADVANTAGES

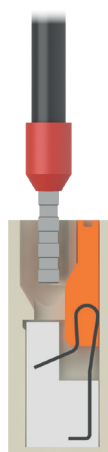
- > **High density tool-less connection.** Compatible with corresponding crimp connectors. No need for any crimping tool.
- > **Easy and fast.** Easy wiring by the actuator buttons. Suitable for any wire: solid and stranded, either end-sleeve prepared or unprepared.
- > **Safe.** Spring clamp connection resistant to mechanical stress and vibrations.
- > AXYR® features an harmonic steel spring and a tiny, yet stiff, properly designed actuator button working together to allow a **simple push-in action** guaranteeing a safe wiring.
- > Wire release with a **simple** flat-blade screwdriver.
- > **Machined** brass contacts.
- > Thanks to a **boxed terminal**, the wire contact pressure does not rely upon surrounding insulating parts, likely to possibly relax under heating when the connector is under current load.

Watch our
Video



WIRING simple push-in action

Solid or Prepared wires:
Cross-sectional Area $\geq 0,75 \text{ mm}^2$ / 18 AWG



1

Deeply insert the solid or prepared wire into the contact hole

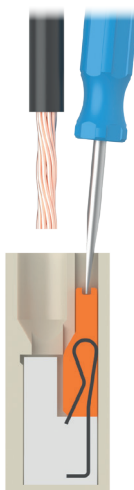


2

The wire is safely secured by the spring clamp

WIRING with flat-blade screwdriver

Stranded wires: All Cross-sectional Areas
Solid or Prepared wires: Cross-sectional Area $< 0,75 \text{ mm}^2$ / 18 AWG

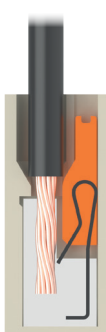


1

Push down the actuator button by a flat-blade screwdriver

-  0,5 × 3 mm max. for 10 A
-  0,5 × 3,5 mm max. for 16 A
-  0,8 × 4,5 mm max. for 40 A

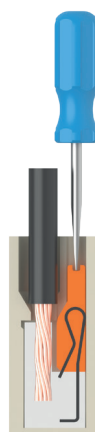
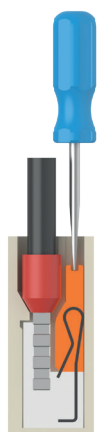
insert the stranded wire, previously stripped and twisted, into the contact hole, or the solid or prepared wire of small size



2

The wire is safely secured by the spring clamp

RE-OPENING



R

Push down the actuator button by a flat-blade screwdriver to remove the wire:

-  0,5 × 3 mm max. for 10 A
-  0,5 × 3,5 mm max. for 16 A
-  0,8 × 4,5 mm max. for 40 A

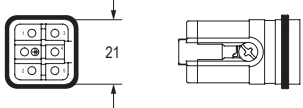
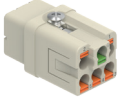
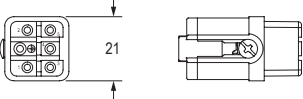
CQY 05**16 A 230/400 V**size **21.21****5 poles +** **Tool-less connection – AXYR®**

EN 61984 rating	16 A 230 / 400 V 4 kV 3
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +100 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

UL **US** ECBT2.E115072 | ECBT8.E115072

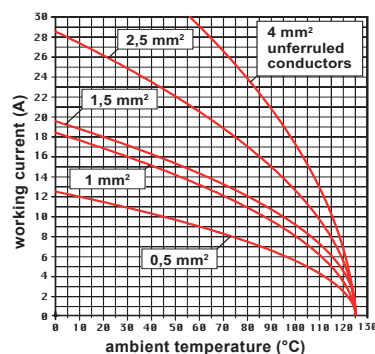
Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CQYM 05	
	Female inserts with female contacts Spring/AXYR® push-in connection	CQYF 05	

**Watch our clip**

Materials		Wiring information	
Insert	polycarbonate (PC)	Wires cross sectional area	
UL 94 flame rating	V-0	- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
Colour	pebble grey, RAL 7032	- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)
Contacts	built-in, copper alloy, silver plated	Stripping length	9...11 mm

Wire diameter: up to 5 mm.

Compact 21.21 enclosures	Pages
Heavy-Duty Applications	
Thermoplastic	A.46-50
Thermoplastic with metal lever	A.53-55
Metallic	A.56-64
Aggressive Environments	
Metallic W-TYPE	A.72-75
Metallic E-Xtreme®	A.76-77
Metallic IP68 high protection	A.78-81
Specialized Applications	
EMC (Electromagnetic Shielding)	A.84-89
Hygienic series for food and beverage	A.94-96

**CQY 05 inserts max. current load derating diagram**

CD and CDY series



The **CD** and **CDY** inserts are high-density multipole connectors offering the option of using removable crimp contacts (CD series) and tool-less **AXYR**® termination technology (CDY series).

In the same compact 21.21 size, two different polarities are available: 7P + ⊕ and 8P without PE connection for SELV (Safety Extra Low Voltage) applications, coded to avoid incorrect cross-mating.

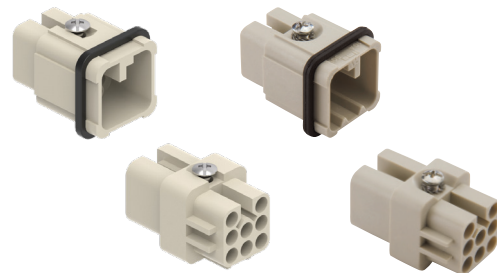
CD series overview

The inserts are compatible with the CD crimp contacts series and are silver- or gold-plated. The PE connection for size 21.21 **CD 07** is a pass-through (crimp) connection that does not provide equipotential bonding to the earth to a possible metal connector enclosure. Hence, an additional safety coding has been implemented to avoid the insertion of the inserts in metal enclosures (only possible in insulation enclosures).

The connectors cover applications for rated voltage up to 250 V_{AC/DC} in Pollution Degree 3 (industrial environment) when

- > **CDF /M 07** with 7P + ⊕ – 250 V_{AC/DC} rated voltage, up to 10 A current-carrying capacity
- > **CDF /M 08** with 8P – 50 V_{AC} / 120 V_{DC} rated voltage (SELV), up to 10 A current-carrying capacity

fully equipped with contacts and for rated currents up to 10 A per pole (derating diagram shows actual current carrying capacity as a function of the number of poles, conductor size, and ambient temperature).





CDY series overview

The **AXYR®** termination technology is implemented here as the equivalent version of the above-introduced 10 A current CDF /M 07 and CDF /M 08 crimp inserts. By offering a considerably compact spring push-in termination, these **AXYR®** variants provide an additional tool-less option in the popular 21.21 square size, when more than the five contacts of CQ 05 and CQY 05 are required and the investment in the crimping technology is not justified.

These models, CDY series, provide interchangeability, i.e., the highest level of compatibility, implying intermountability and intermateability, with the corresponding crimp versions, respectively CDF /M 07 and CDF /M 08. The mating faces of these 8P and 7P + ⊕ **AXYR®** connector inserts are also differently polarized to avoid cross-mating of different polarities.

- > **CDYF /M 07** with 7P + ⊕ – 250 V_{AC/DC} rated voltage, up to 10 A current-carrying capacity;
- > **CDYF /M 08** with 8P – 50 V rated voltage (SELV), up to 10 A current-carrying capacity.

The inserts are equipped with **AXYR®** spring push-in technology whose actuator button is required only for the release of the connection or for opening the terminal when using stranded unprepared wires or solid or prepared wires with cross-sectional area < 0,75 mm² / 18 AWG.

The 7-pole **CDYF /M 07 AXYR®** versions having a rated voltage of 250 V_{AC/DC} and pass-through PE connection, are properly keyed to fit insulating enclosures only (like the CDF /M 07 crimp ones).

KEY FEATURES

- > **Compatible wire cross-section:**
 - 0,14 mm² to 1,5 mm² (AWG 26-16) for prepared flexible conductors
 - 0,14 mm² to 2,5 mm² (AWG 24-14) for unprepared solid or flexible conductors
- > **Conductors stripping length:** 9...11 mm
- > **Max diameter of wire sheathing or ferrule funnel:** 3,8 mm



CDY 07

> **GREEN PE actuator button**



CDY 08

> **Terminal opening** for optimized conductors insertion (either prepared or unprepared)

- ✎ **CDY 07 and CDY 08** can be easily distinguished by the presence on the CDY 07 inserts of a **green-coloured PE actuator button**, while all buttons of the CDY 08 are orange-coloured.

FOCUS

Special voltages for CD series

As for any series of connector inserts for crimped connections, the polarity is intended as "up to", always possibly fitting a connector insert with a reduced number of crimped connections, suiting the specific application. In this regard, the CD series connector inserts can be used at specific (higher) voltages.

If all the contacts are used, CD 07 connector inserts may be used with voltage up to 250 V (first column) Pollution Degree 3 in accordance with IEC 61984 standard. If the number of contacts is reduced and the contacts assigned accordingly, these connectors may be used at 500 V (second column) Pollution Degree 3.

This is possible because the decrease in the number of contacts leads to less restrictive clearances (insulating distances in air) and creepage distances (insulating distances along the surface).

For use up to **250 V**
Pollution Degree 3

CD 07
7P + ⊕



For use up to **500 V**
Pollution Degree 3

CD 07
3P + ⊕



contacts side - front view

- working contact
- without contact
- F female insert
- M male insert

CDY 07

10 A 250 V

size **21.21**
7 poles +

Tool-less connection – AXYR®

EN 61984 rating	10 A 250 V 4 kV 3
	10 A 230 / 400 V 4 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 3 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: EAC)

(pending: CQC, DNV and BV)

ECBT2.E115072 | ECBT8.E115072

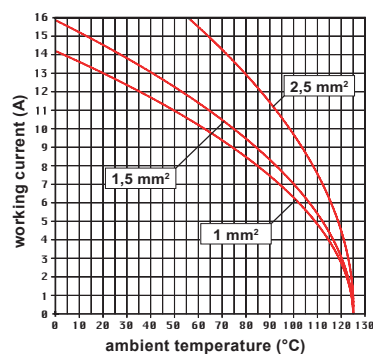
Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CDYM 07	
	Female inserts with female contacts Spring/AXYR® push-in connection	CDYF 07	



Watch our clip

Materials		Wiring information	
Insert	polycarbonate (PC)	Wires cross sectional area	
UL 94 flame rating	V-0	- unprepared	0,14 mm ² - 2,5 mm ² (AWG 24-14)
Colour	pebble grey, RAL 7032	- prepared	0,14 mm ² - 1,5 mm ² (AWG 24-16)
Contacts	built-in, copper alloy, silver ● plated	Stripping length	9...11 mm
		Wire diameter: up to 3,8 mm.	

Compact 21.21 enclosures	Pages
Heavy-Duty Applications	
Thermoplastic	A.46-50
Thermoplastic with metal lever	A.53-55
Specialized Applications	
Hygienic series for food and beverage	A.94-96



CDY 07 inserts max. current load derating diagram

CDY 08
10 A 50 V_{AC} / 120 V_{DC}

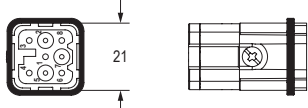
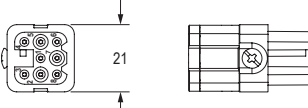
size **21.21**
8 poles

Tool-less connection – AXYR®

EN 61984 rating	10 A 50 V _{AC} / 120 V _{DC} 0,8 kV 3
Rated voltage (UL / CSA)	50 V _{AC} / 120 V _{DC}
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

(pending: CQC, DNV and BV)

 ECBT2.E115072 | ECBT8.E115072

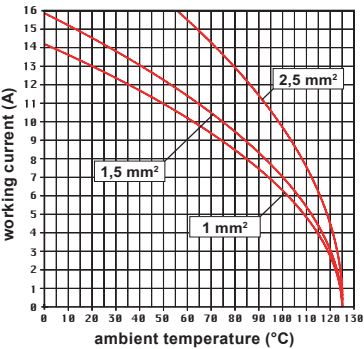
Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CDYM 08	
	Female inserts with female contacts Spring/AXYR® push-in connection	CDYF 08	



Materials	
Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information	
Wires cross sectional area	
- unprepared	0,14 mm ² - 2,5 mm ² (AWG 24-14)
- prepared	0,14 mm ² - 1,5 mm ² (AWG 24-16)
Stripping length	9...11 mm
Wire diameter: up to 3,8 mm.	

Compact 21.21 enclosures	Pages
Heavy-Duty Applications	
Thermoplastic	A.46-50
Thermoplastic with metal lever	A.53-55
Metallic	A.56-64
Aggressive Environments	
Metallic W-TYPE	A.72-75
Metallic E-Xtreme®	A.76-77
Metallic IP68 high protection	A.78-81
Specialized Applications	
EMC (Electromagnetic Shielding)	A.84-89
Hygienic series for food and beverage	A.94-96



CDY 08 inserts max. current load derating diagram



CQY 08E

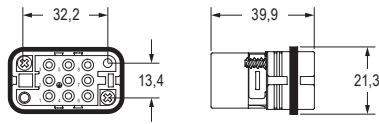
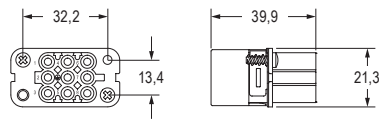
16 A 500 Vsize **32.13****8 poles + $\oplus$** **Tool-less connection – AXYR®**ISO 23570-3 standard
and DESINA®
specification compliant

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 400 / 690 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 3 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts, with integrated PE plate Spring/AXYR® push-in connection Supplied with 2 fixing screws, self-tapping, zinc plated steel $\varnothing 2,9 \times 9,5 \text{ mm}$, Ph1	CQYM 08E	
	Female inserts with female contacts, with integrated PE plate Spring/AXYR® push-in connection Supplied with 2 fixing screws, self-tapping, zinc plated steel $\varnothing 2,9 \times 9,5 \text{ mm}$, Ph1	CQYF 08E	



Watch our clip

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver $\bullet$ plated

Wiring information

Wires cross sectional area	
- unprepared	0,25 mm ² - 4 mm ² (AWG 24-12)
- prepared	0,25 mm ² - 2,5 mm ² (AWG 24-14)
Stripping length	9...11 mm

Wire diameter: up to 5 mm.

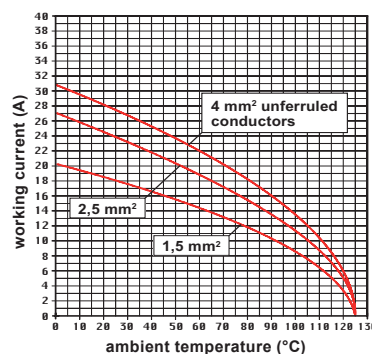
**CIF Q08 1.6**
PCB adapter
Page D.10**CR Q08E**
Coding pins
Page G.8**Enclosures size 32.13****Pages****Heavy-Duty Applications**

Thermoplastic E.6-7

Specialized Applications

Thermoplastic EMC (Electromagnetic Shielding) E.8-9

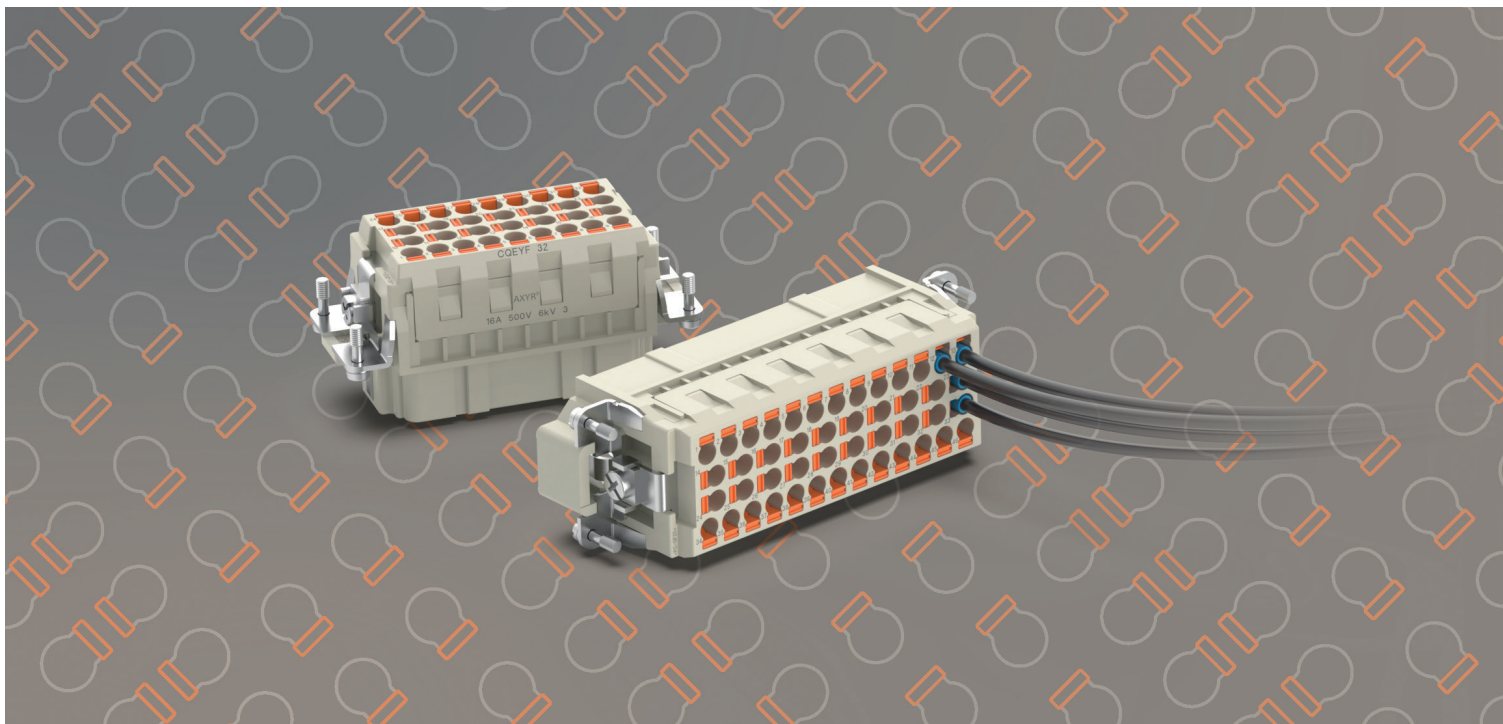
Metallic EMC (Electromagnetic Shielding) E.10

**CQY 08E inserts max. current
load derating diagram**

Coded for use with 32.13 metallic enclosures

CQEY - AXYR® series

Connection without tools. High contacts density.

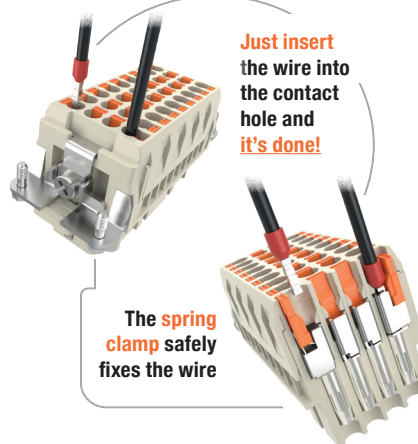


CQEY series overview

The 16 A range of connector inserts using the **AXYR®** tool-less technology is furtherly widened by the new **CQEY** series intermateable with the corresponding available models of **CQE** series (crimp).

The **AXYR®** technology can equal the crimp connectors versions in terms of high density without requiring any crimping tool.

TECHNOLOGY AT A GLANCE





Watch our clip

FOCUS

Inserts' technology

The **AXYR®** 16 A tool-less spring push-in contacts cover a wiring range: 0,25 mm² to 2,5 mm² (AWG 24-14) for prepared wires; 0,25 mm² to 4 mm² (AWG 24-12) for unprepared wires.

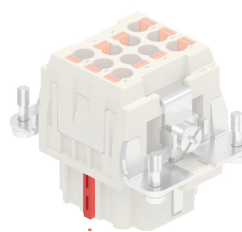
The performance of a mixed **CQEY / CQE coupling** is equivalent to that of an equivalent unmixed (CQE / CQE or CQEY / CQEY) coupling where both sides are wired with the lowest of the wire sizes used by the mixed coupling.

The inserts of **AXYR®** series CQEY are available in standard and double-insert sizes like for CQE series.

CQEY connector inserts allow additional coding of the mating face by means of **CR Q08E** coding pins, that must be fitted in the dedicated dovetail shaped seats on the contour of the mating face in specular pattern.



► High contacts density



► Required pins to correctly code a coupling:

- 3 pins for 10 and 18 poles connectors
- 4 pins for 32, 46, 64 and 92 poles connectors

► CR Q08E optional plastic coding pins for up to 6 configurations



CQEY 10

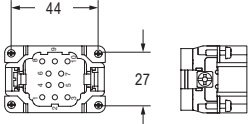
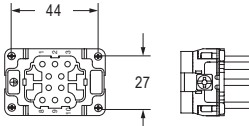
16 A 500 Vsize **44.27****10 poles + ⚡****Tool-less connection – AXYR®**

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CQEYM 10	
	Female inserts with female contacts Spring/AXYR® push-in connection	CQEYF 10	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wire cross sectional area	
- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)
Stripping length	9...11 mm

Wire diameter: up to 5 mm.

**CR Q08E**
Coding pins
Page G.8**Enclosures size 44.27****Pages****Heavy-Duty Applications**

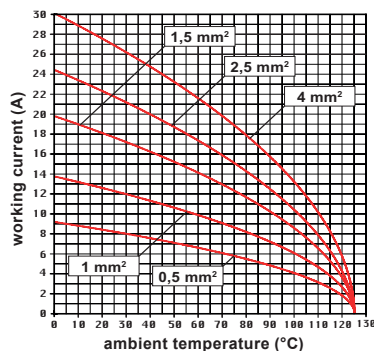
Metallic with C-TYPE lever	E.48-53
Metallic with IL-BRID lever	E.90-91,104
Metallic with JEI®-P lever	E.112,119
Metallic with V-TYPE IP67 lever	E.124,128-129
Thermoplastic T-TYPE	E.226-227,234-235

Aggressive Environments

Metallic IP68 high protection	E.142-143
Metallic W-TYPE	E.154-155,162
Metallic E-Xtreme®	E.174-175,182-183,194
Thermoplastic T-TYPE/W	E.226-227,234-235

Specialized Applications

EMC (Electromagnetic Shielding)	E.208-209,216
Hygienic series for food and beverage	E.244,248
Standard applications with Central lever	E.254-255
BIG Enclosures for multiple cable entries	E.268,272-273
COB system for switch cabinet	E.286-289
Light and Sound applications with JEI®-P lever	E.296-297

**CQEY 10 inserts max. current load derating diagram**

CQEY 18

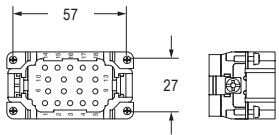
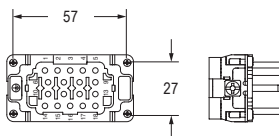
16 A 500 Vsize **57.27****18 poles +** **Tool-less connection – AXYR®**

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CQEYM 18	
	Female inserts with female contacts Spring/AXYR® push-in connection	CQEYF 18	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

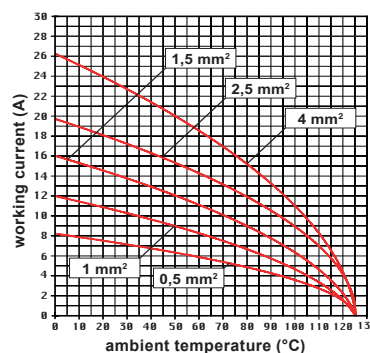
Wire cross sectional area	0,25 mm² - 4 mm² (AWG 24-12)
- unprepared	0,25 mm² - 2,5 mm² (AWG 24-14)
- prepared	
Stripping length	9...11 mm

Wire diameter: up to 5 mm.



CR Q08E
Coding pins
Page G.8

Enclosures size 57.27	Pages
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.54-61
Metallic with IL-BRID lever	E.92-95,105
Metallic with JEI®-P lever	E.113-114,119
Metallic with V-TYPE IP67 lever	E.125,130-131
Thermoplastic T-TYPE	E.228-229,234-235
Aggressive Environments	
Metallic IP68 high protection	E.144-145
Metallic W-TYPE	E.156-157,163
Metallic E-Xtreme®	E.176-177,184-185,195
Thermoplastic T-TYPE/W	E.228-229,234-235
Specialized Applications	
EMC (Electromagnetic Shielding)	E.210-211,217
Hygienic series for food and beverage	E.245,248
Standard applications with Central lever	E.256-257
BIG Enclosures for multiple cable entries	E.269,274-275
COB system for switch cabinet	E.286-289
Light and Sound applications with JEI®-P lever	E.298-299



CQEY 18 inserts max. current load derating diagram

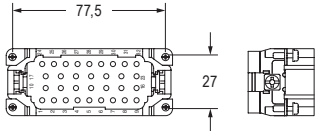
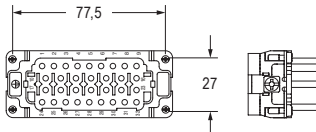
CQEY 32**16 A 500 V**size **77.27****32 poles + ⊕****Tool-less connection – AXYR®**

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CQEYM 32	
	Female inserts with female contacts Spring/AXYR® push-in connection	CQEYF 32	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wire cross sectional area	
- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)
Stripping length	9...11 mm

Wire diameter: up to 5 mm.

**CR Q08E**
Coding pins
Page G.8**Enclosures size 77.27****Pages****Heavy-Duty Applications**

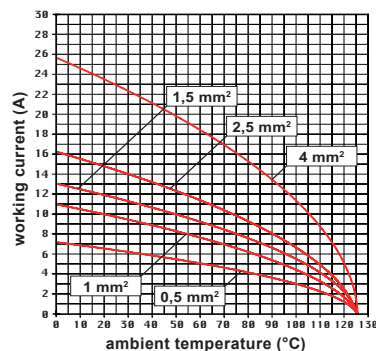
Metallic with C-TYPE lever	E.62-69
Metallic with IL-BRID lever	E.96-99,106
Metallic with JEI®-P lever	E.115-116,119
Metallic with V-TYPE IP67 lever	E.126,132-133
Thermoplastic T-TYPE	E.230-231,234-235

Aggressive Environments

Metallic IP68 high protection	E.146-147
Metallic W-TYPE	E.158-159,164
Metallic E-Xtreme®	E.178-179,186-187,196
Thermoplastic T-TYPE/W	E.230-231,234-235

Specialized Applications

EMC (Electromagnetic Shielding)	E.212-213,218
Hygienic series for food and beverage	E.246,248
Standard applications with Central lever	E.258-259
BIG Enclosures for multiple cable entries	E.270,276-277
COB system for switch cabinet	E.286-289
Light and Sound applications with JEI®-P lever	E.300-301

**CQEY 32 inserts max. current load derating diagram**

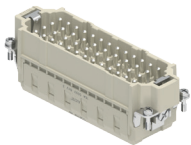
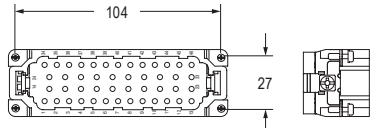
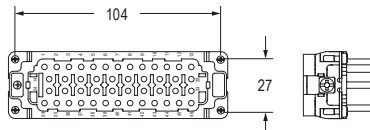
CQEY 46**16 A 500 V**size **104.27****46 poles + ⊕****Tool-less connection – AXYR®**

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CQEYM 46	
	Female inserts with female contacts Spring/AXYR® push-in connection	CQEYF 46	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

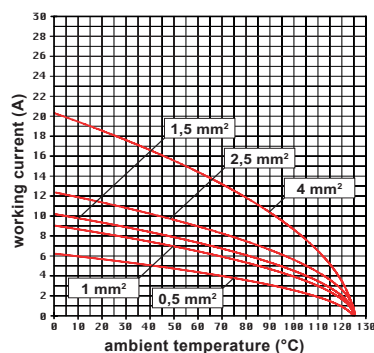
Wire cross sectional area	0,25 mm² - 4 mm² (AWG 24-12)
- unprepared	0,25 mm² - 2,5 mm² (AWG 24-14)
- prepared	9...11 mm
Stripping length	

Wire diameter: up to 5 mm.



CR Q08E
Coding pins
Page G.8

Enclosures size 104.27	Pages
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.70-77
Metallic with IL-BRID lever	E.100-103,107
Metallic with JEI®-P lever	E.117-119
Metallic with V-TYPE IP67 lever	E.127,134-135
Thermoplastic T-TYPE	E.232-235
Aggressive Environments	
Metallic IP68 high protection	E.148-149
Metallic W-TYPE	E.160-161,165
Metallic E-Xtreme®	E.180-181,188-189,197
Thermoplastic T-TYPE/W	E.232-235
Specialized Applications	
EMC (Electromagnetic Shielding)	E.214-215,219
Hygienic series for food and beverage	E.247-248
Standard applications with Central lever	E.260-261
BIG Enclosures for multiple cable entries	E.271,278-279
COB system for switch cabinet	E.286-289
Light and Sound applications with JEI®-P lever	E.302-303



CQEY 46 inserts max. current load derating diagram



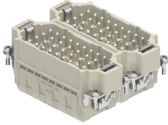
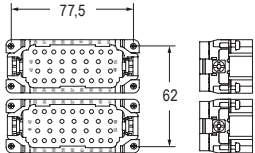
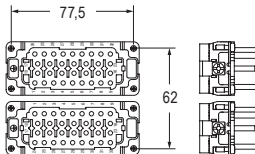
CQEY 32 + CQEY 32 N
16 A 500 V

size **77.62**
64 poles + ⊕

Tool-less connection – AXYR®

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)
(pending: CQC, DNV and BV)
(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts, No. (1-32) Male inserts, No. (33-64) Spring/AXYR® push-in connection	CQEYM 32 CQEYM 32 N	
	Female inserts, No. (1-32) Female inserts, No. (33-64) Spring/AXYR® push-in connection	CQEYF 32 CQEYF 32 N	

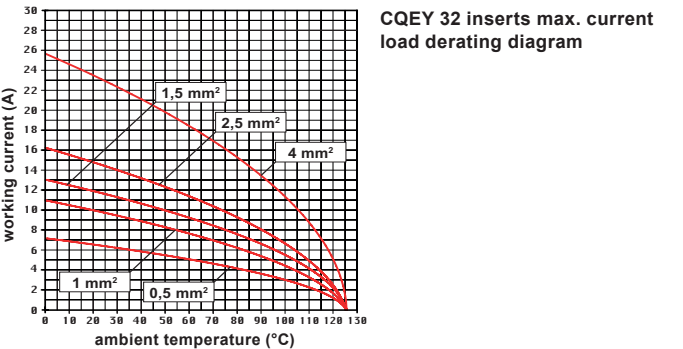
Materials	
Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information	
Wire cross sectional area	
- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)
Stripping length	9...11 mm
Wire diameter: up to 5 mm.	



CR Q08E
Coding pins
Page G.8

Enclosures size 77.62	Pages 
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.78-83
Aggressive Environments	
Metallic W-TYPE with C-TYPE lever	E.166-167
Metallic E-Xtreme® with C-TYPE lever	E.190-191



CQEY 46 + CQEY 46 N

16 A 500 V

size 104.62

92 poles +

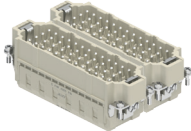
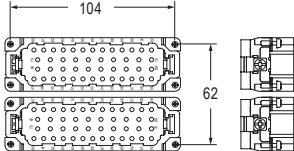
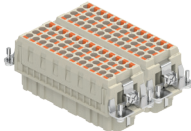
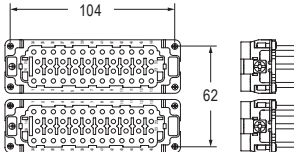
Tool-less connection – AXYR®

EN 61984 rating	16 A 500 V 6 kV 3
	16 A 830 V 8 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

  (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts, No. (1-46) Male inserts, No. (47-92) Spring/AXYR® push-in connection	CQEYM 46 CQEYM 46 N	
	Female inserts, No. (1-46) Female inserts, No. (47-92) Spring/AXYR® push-in connection	CQEYF 46 CQEYF 46 N	

Materials	
Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information	
Wire cross sectional area	
- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)
Stripping length	9...11 mm
Wire diameter: up to 5 mm.	

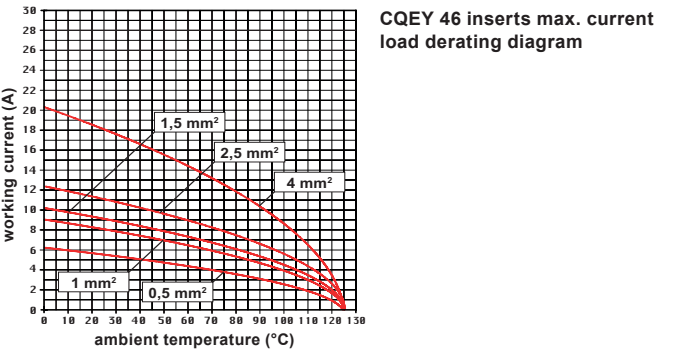


CR Q08E

Coding pins

Page G.8

Enclosures size 104.62	Pages 
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.84-85
Aggressive Environments	
Metallic W-TYPE with C-TYPE lever	E.168-169
Metallic E-Xtreme® with C-TYPE lever	E.192-193





CPY 06

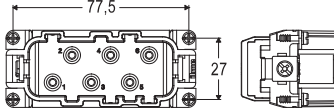
35 A 400/690 Vsize **77.27****6 poles + ⊕****Tool-less connection – AXYR®**

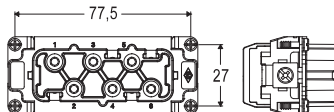
EN 61984 rating*	35 A 400 / 690 V 6 kV 3
Rated voltage (UL / CSA) (pending)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,5 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection * can be used at operating voltages up to 830 V 8 kV 3 provided they are coded with CR CPC to avoid mismatching with CPM / F 06	CPYM 06	

	Female inserts with female contacts Spring/AXYR® push-in connection * can be used at operating voltages up to 830 V 8 kV 3 provided they are coded with CR CPC to avoid mismatching with CPM / F 06	CPYF 06	
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Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wire cross sectional area	
- unprepared	1,5 mm² - 6 mm² (AWG 16-10)
- prepared	1,5 mm² - 6 mm² (AWG 16-10)
Stripping length	9...11 mm

Wire diameter: up to 7 mm.


CR CPC
Coding pins
Page G.9

Enclosures size 77.27	Pages
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.62-69
Metallic with IL-BRID lever	E.96-99,106
Metallic with JEI®-P lever	E.115-116,119
Metallic with V-TYPE IP67 lever	E.126,132-133
Thermoplastic T-TYPE	E.230-231,234-235
Aggressive Environments	
Metallic IP68 high protection	E.146-147
Metallic W-TYPE	E.158-159,164
Metallic E-Xtreme®	E.178-179,186-187,196
Thermoplastic T-TYPE/W	E.230-231,234-235
Specialized Applications	
EMC (Electromagnetic Shielding)	E.212-213,218
Hygienic series for food and beverage	E.246,248
Standard applications with Central lever	E.258-259
BIG Enclosures for multiple cable entries	E.270,276-277
COB system for switch cabinet	E.286-289
Light and Sound applications with JEI®-P lever	E.300-301

CPY 06 + CPY 06 N

35 A 400/690 V

size **77.62**12 poles + 

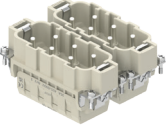
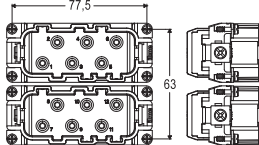
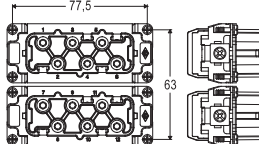
Tool-less connection – AXYR®

EN 61984 rating*	35 A 400 / 690 V 6 kV 3
Rated voltage (UL / CSA) (pending)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,5 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts, No. (1-6) Male inserts, No. (7-12) Spring/AXYR® push-in connection * can be used at operating voltages up to 830 V 8 kV 3 provided they are coded with CR CPC to avoid mismatching with CPM / F 06	CPYM 06 CPYM 06 N	
	Female inserts, No. (1-6) Female inserts, No. (7-12) Spring/AXYR® push-in connection * can be used at operating voltages up to 830 V 8 kV 3 provided they are coded with CR CPC to avoid mismatching with CPM / F 06	CPYF 06 CPYF 06 N	

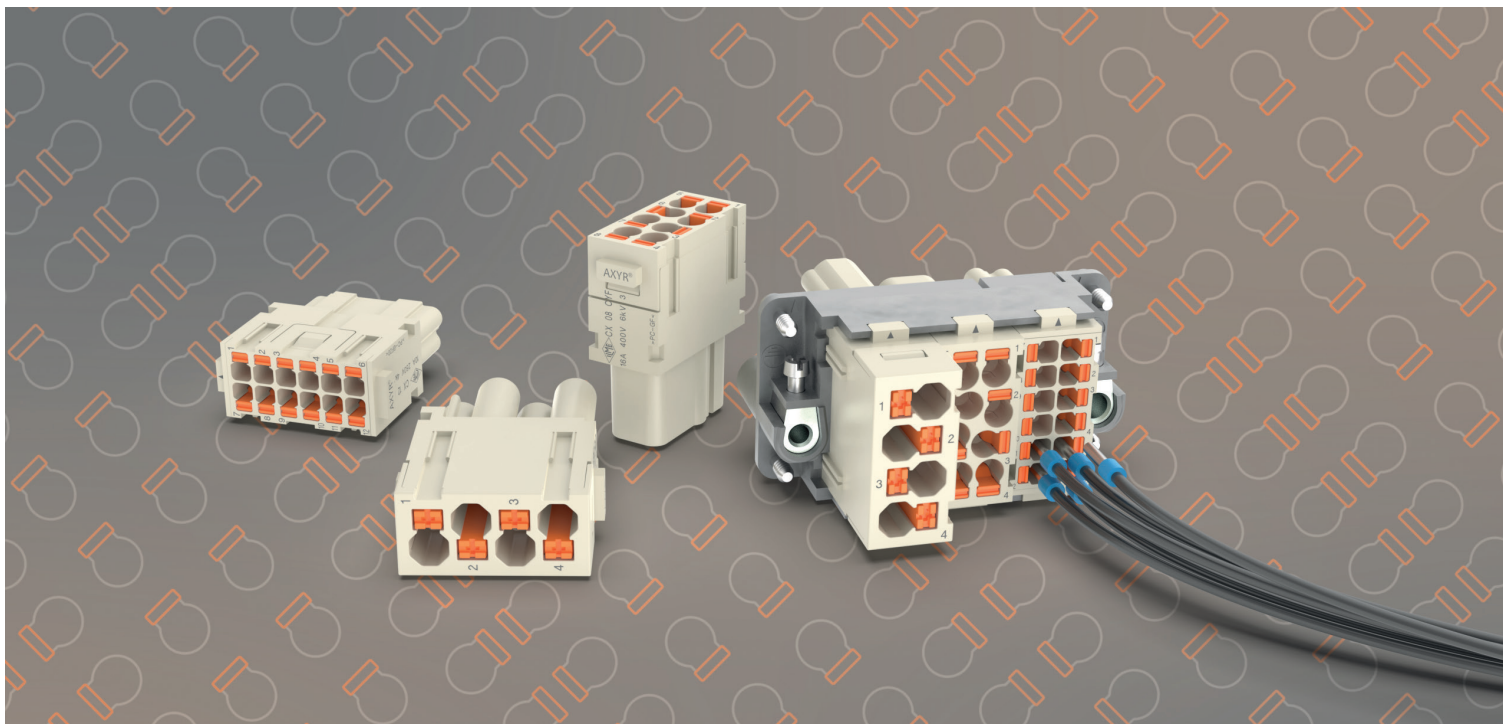
Materials		Wiring information	
Insert	polycarbonate (PC)	Wire cross sectional area	
UL 94 flame rating	V-0	- unprepared	1,5 mm² - 6 mm² (AWG 16-10)
Colour	pebble grey, RAL 7032	- prepared	1,5 mm² - 6 mm² (AWG 16-10)
Contacts	built-in, copper alloy, silver ● plated	Stripping length	9...11 mm
		Wire diameter: up to 7 mm.	



CR CPC
Coding pins
Page G.9

Enclosures size 77.62	Pages 
Heavy-Duty Applications	
Metallic with C-TYPE lever	E.78-83
Aggressive Environments	
Metallic W-TYPE with C-TYPE lever	E.166-167
Metallic E-Xtreme® with C-TYPE lever	E.190-191

MIXO Power & Signal modules



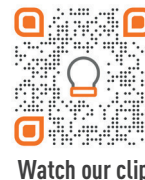
AXYR®

High-density, fast & tool-less connection

Product range for 40 A, 16 A and 10 A

The research of new termination technologies aims to develop a reliable and qualitatively stable connection between conductor and contact, meeting any possible application requirement in terms of current carrying-capacity and available number of poles, as much as possible independently from the skill of the operator.

Crimped connection, with its typical irreversible process, achieves the best performance and the highest possible connection density, but requires specific wiring procedures and special tools, while being also non-rewireable.



Watch our clip

ILME **AXYR**® technology offers an extremely compact spring push-in termination, which equals the crimp connectors in high density, but requires no special crimping tool, yet granting an optimal electrical performance.

An easy, **tool-less** and **operator skill independent** connection, resistant to mechanical stress and vibrations, suitable for any installation requirement.

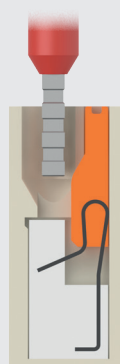
- > **AXYR**® features a harmonic steel spring and a tiny, yet stiff, properly designed actuator button working together to allow a simple push-in action guaranteeing a safe wiring.
- > Thanks to a boxed terminal, the wire contact pressure does not rely upon surrounding insulating parts, likely to possibly relax under heating when the connector is under current load.
- > Solid and prepared flexible wires, when sufficiently stiff, can be directly inserted into the connection terminal; unprepared stranded wires require instead the initial opening of the spring by means of a simple flat-blade screwdriver, thanks to the actuator button.
- > **AXYR**® technology makes the user free to choose the connector that best suits his needs, naturally reusable and independent of the required wire cross-section, compatible with the crimp connectors of the ILME product portfolio: one size fits the whole range of cross-sectional areas (compared to competing solution with radial spring that require two sizes).

FOCUS

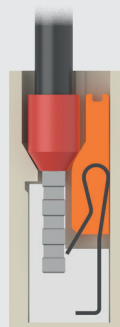
AXYR® tool-less connection

> Simple push-in action

Solid or Prepared wires:
cross-sectional area $\geq 0,75 \text{ mm}^2$ / 18 AWG



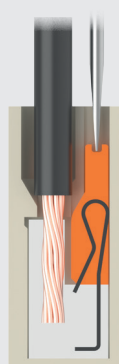
- ▶ Deeply insert the solid or prepared wire into the contact hole.



- ▶ The wire is safely secured by the spring clamp.

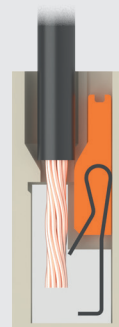
> With flat-blade screwdriver

Stranded wires: all cross-sectional areas
Solid or Prepared wires: cross-sectional area $< 0,75 \text{ mm}^2$ / 18 AWG



- ▶ Push down the actuator button by a flat-blade screwdriver
- | | |
|--|----------------------------|
| | 0,5 × 3 mm max. for 10 A |
| | 0,5 × 3,5 mm max. for 16 A |
| | 0,8 × 4,5 mm max. for 40 A |

insert the stranded wire, previously stripped and twisted, into the contact hole, or the solid or prepared wire of small size.



- ▶ The wire is safely secured by the spring clamp.

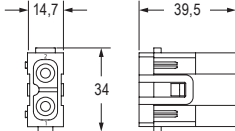
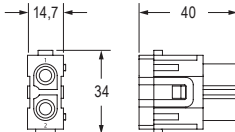
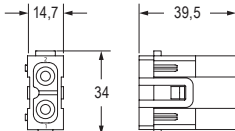
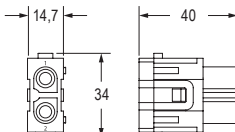
CX 02 4A/CX 02 4B**40 A 1000 V**size **1 module****2 poles****Axial screw connection**

EN 61984 rating	40 A 1000 V 8 kV 3
	40 A 1600 V 12 kV 2
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 0,5 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK ENEC



ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Male inserts with male contacts Screw terminal connection Wire diameter: up to 4 mm	CX 02 4AM	
	Female inserts with female contacts Screw terminal connection Wire diameter: up to 4 mm	CX 02 4AF	
	Male inserts with male contacts Screw terminal connection Wire diameter: up to 4,8 mm	CX 02 4BM	
	Female inserts with female contacts Screw terminal connection Wire diameter: up to 4,8 mm	CX 02 4BF	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver plated

- Use flexible cables with section from 2,5 mm² to 10 mm² or extra flexible cables with sections from 2,5 mm² to 6 mm²;
- do not twist the cables;
- fully insert the braids in the rear section of the contact;
- insert a 2 mm hexagonal key in the front section of the contact and tighten by keeping the cable held down in position;
- a 2 mm hexagonal key can be supplied on request, reference **CX AS**.

Wiring information

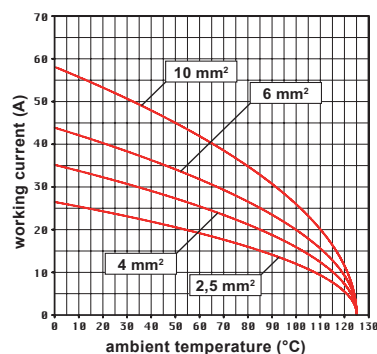
Wires cross sectional area	
- inserts for $\varnothing$ 4 mm cables (CX..4A)	2,5 mm ² - 8 mm ² (AWG 14-8)
- inserts for $\varnothing$ 4,8 mm cables (CX..4B)	6 mm ² - 10 mm ² (AWG 10-8)
Stripping length	
- 2,5 mm ² - 4 mm ² (AWG 14-12)	5+1
- 6 mm ² - 10 mm ² (AWG 10-8)	8+1
Terminal screw torque	
- 2,5 mm ² - 4 mm ² (AWG 14-12)	1,5 Nm (13.3 lb.in)
- 6 mm ² - 10 mm ² (AWG 10-8)	2 Nm (17.7 lb.in)

Accessories**Pages****MIXO Frames**

Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101

Enclosures

Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111

**CX 02 4A/4B inserts max. current load derating diagram**

CX 02 4

40 A 1000 V

size **1 module**
2 poles

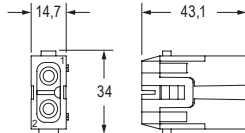
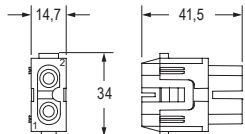
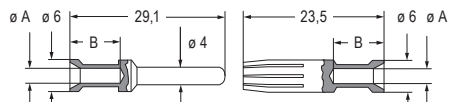
Crimp connection

EN 61984 rating	40 A 1000 V 8 kV 3
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 0,3 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK ENEC



ECBT2.E115072 | ECBT8.E115072

	Description Male inserts for male contacts Without contacts (to be ordered separately)	Part No. CX 02 4M	Dimension 																										
	Description Female inserts for female contacts Without contacts (to be ordered separately)	Part No. CX 02 4F																											
	40 A crimp contacts <table><tr><th>section (mm²)</th><th>section (AWG)</th></tr><tr><td>1,5</td><td>16</td></tr><tr><td>2,5</td><td>14</td></tr><tr><td>4</td><td>12</td></tr><tr><td>6</td><td>10</td></tr><tr><td>10</td><td>8</td></tr></table>	section (mm ²)	section (AWG)	1,5	16	2,5	14	4	12	6	10	10	8	<table><tr><td rowspan="5">silver</td><td>Male</td><td>Female</td></tr><tr><td>CXMA 1.5</td><td>CXFA 1.5</td></tr><tr><td>CXMA 2.5</td><td>CXFA 2.5</td></tr><tr><td>CXMA 4.0</td><td>CXFA 4.0</td></tr><tr><td>CXMA 6.0</td><td>CXFA 6.0</td></tr><tr><td></td><td>CXMA 10</td><td>CXFA 10</td></tr></table>	silver	Male	Female	CXMA 1.5	CXFA 1.5	CXMA 2.5	CXFA 2.5	CXMA 4.0	CXFA 4.0	CXMA 6.0	CXFA 6.0		CXMA 10	CXFA 10	 Wiring information, CX contacts
section (mm ²)	section (AWG)																												
1,5	16																												
2,5	14																												
4	12																												
6	10																												
10	8																												
silver	Male	Female																											
	CXMA 1.5	CXFA 1.5																											
	CXMA 2.5	CXFA 2.5																											
	CXMA 4.0	CXFA 4.0																											
	CXMA 6.0	CXFA 6.0																											
	CXMA 10	CXFA 10																											

Wiring information, CX contacts

conductor section (mm ²)	conductor slot ø A (mm)	stripping length B (mm)
1,5	1,8	9
2,5	2,2	9
4	2,85	9,6
6	3,5	9,6
10	4,3	15

Wire diameter: up to 7 mm.

It is recommended to use the crimping tools and removal tools homologated by ILME (please see page F.23)

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	copper alloy, silver ● plated

Accessories

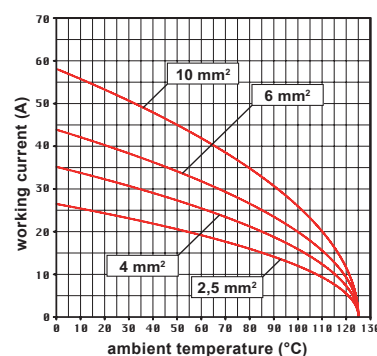
Pages

MIXO Frames

Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101

Enclosures

Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111



CX 02 4 inserts max. current load derating diagram

Can be used in bulkhead mounting housings or in high construction housings or in high construction hoods.

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



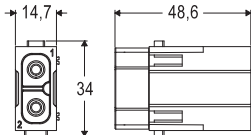
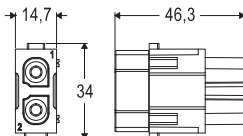
CX 02 4Y
40 A 1000 V

size **1 module**
2 poles

Tool-less connection – **AXYR®**

EN 61984 rating	40 A 1000 V 8 kV 3
Rated voltage (UL / CSA) (pending)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,5 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)
(pending: CQC, DNV and BV)
(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/ AXYR® push-in connection	CX 02 4YM	
	Female inserts with female contacts Spring/ AXYR® push-in connection	CX 02 4YF	

Materials	
Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information	
Wire cross sectional area	1,5 mm² - 6 mm² (AWG 16-10)
- unprepared	1,5 mm² - 6 mm² (AWG 16-10)
- prepared	1,5 mm² - 6 mm² (AWG 16-10)
Stripping length	9...11 mm
Wire diameter: up to 7 mm.	

Accessories	Pages
MIXO Frames	
Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101
Enclosures	
Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111

Can be used in bulkhead mounting housings or in high construction housings or in high construction hoods.

CX 04 XY

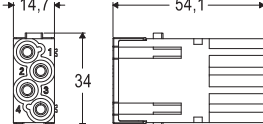
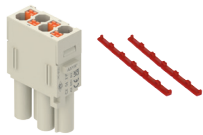
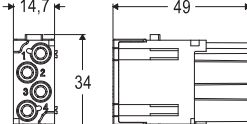
40 A 830 Vsize **1 module**
4 poles**Tool-less connection – AXYR®**

EN 61984 rating	40 A 830 V 8 kV 3
Rated voltage (UL / CSA) (pending)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,5 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/ AXYR ® push-in connection Male insert is protected from access with the back of the hand (IP1X or IPXXA)	CX 04 XYM	
	Female inserts with female contacts Spring/ AXYR ® push-in connection Female insert is finger proof (IP2X or IPXXB) even if not coupled Female inserts are supplied with <u>× 2 red lock-in tab</u> that must be used instead of those supplied with the frames (code CX CFMX)	CX 04 XYF	

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wire cross sectional area	
- unprepared	1,5 mm² - 6 mm² (AWG 16-10)
- prepared	1,5 mm² - 4 mm² (AWG 16-12)
Stripping length	9...11 mm

Wire diameter: up to 6 mm.

Accessories**Pages****MIXO Frames**

Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101

Enclosures

Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111

Can be used in bulkhead mounting housings or in high construction housings or in high construction hoods.



CX 03 4Y

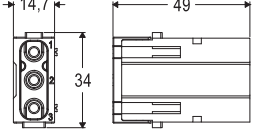
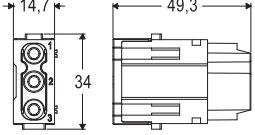
40 A 690 V

size **1 module**
3 poles

Tool-less connection – AXYR®

EN 61984 rating	40 A 690 V 8 kV 3
Rated voltage (UL / CSA) (pending)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,5 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)
(pending: CQC, DNV and BV)
(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CX 03 4YM	
	Female inserts with female contacts Spring/AXYR® push-in connection	CX 03 4YF	

Materials	
Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information	
Wire cross sectional area	
- unprepared	1,5 mm² - 6 mm² (AWG 16-10)
- prepared	1,5 mm² - 6 mm² (AWG 16-10)
Stripping length	9...11 mm
Wire diameter: up to 7 mm.	

Accessories	Pages
MIXO Frames	
Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101
Enclosures	
Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111

Can be used in bulkhead mounting housings or in high construction housings or in high construction hoods.

CX 06 CY

16 A 500 Vsize **1 module**
6 poles**Tool-less connection – AXYR®**

EN 61984 rating	16 A 500 V 6 kV 3
Rated voltage (UL / CSA)	600 V
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 3 mΩ
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

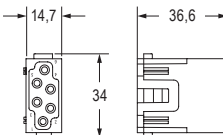
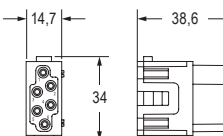
CE UK (pending: EAC)

(pending: CQC, DNV and BV)

CULUS

ECBT2.E115072 | ECBT8.E115072

(pending: PVVA2.E506437 | PVVA8.E506437)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CX 06 CYM	
	Female inserts with female contacts Spring/AXYR® push-in connection	CX 06 CYF	



Watch our clip

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wires cross sectional area

- unprepared	0,25 mm² - 4 mm² (AWG 24-12)
- prepared	0,25 mm² - 2,5 mm² (AWG 24-14)

Stripping length 9...11 mm

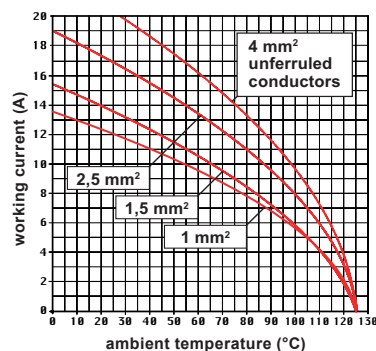
Wire diameter: up to 5 mm.

Accessories**Pages****MIXO Frames**

Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101

Enclosures

Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111

**CX 06 CY inserts max. current load derating diagram**

CX 08 CY

16 A 400 V

size **1 module****8 poles**

Tool-less connection – AXYR®

EN 61984 rating	16 A 400 V 6 kV 3
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 3 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

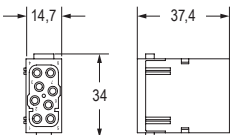
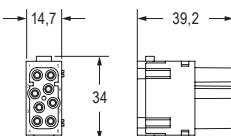
CE UK (pending: EAC)

(pending: CQC, DNV and BV)

CULUS

ECBT2.E115072 | ECBT8.E115072

(pending: PVVA2.E506437 | PVVA8.E506437)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CX 08 CYM	
	Female inserts with female contacts Spring/AXYR® push-in connection	CX 08 CYF	



Watch our clip

Materials

Insert	polycarbonate (PC)
UL 94 flame rating	V-0
Colour	pebble grey, RAL 7032
Contacts	built-in, copper alloy, silver ● plated

Wiring information

Wires cross sectional area

- unprepared 0,25 mm² - 4 mm² (AWG 24-12)

- prepared 0,25 mm² - 2,5 mm² (AWG 24-14)

Stripping length 9...11 mm

Wire diameter: up to 5 mm.

Accessories

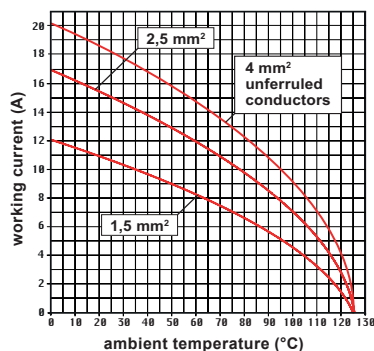
Pages

MIXO Frames

Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101

Enclosures

Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111



CX 08 CY inserts max. current load derating diagram

CX 12 DY

10 A 250 V

size **1 module**
12 poles

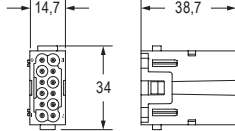
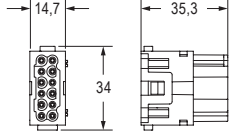
Tool-less connection – AXYR®

EN 61984 rating	10 A 250 V 4 kV 3
Rated voltage (UL / CSA)	600 V
Insulation resistance	$\geq 10 \text{ G}\Omega$
Contact resistance	$\leq 3 \text{ m}\Omega$
Ambient temperature limit	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CE UK (pending: EAC)

(pending: CQC, DNV and BV)

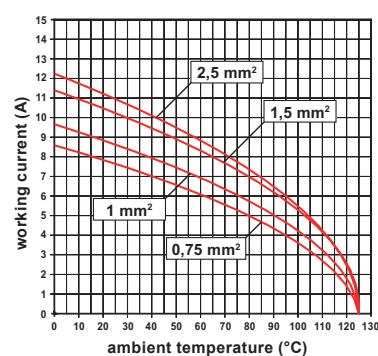
(pending: cURus)

Item	Description	Part No.	Dimension
	Male inserts with male contacts Spring/AXYR® push-in connection	CX 12 DYM	
	Female inserts with female contacts Spring/AXYR® push-in connection	CX 12 DYF	



Materials		Wiring information	
Insert	polycarbonate (PC)	Wires cross sectional area	
UL 94 flame rating	V-0	- unprepared	0,14 mm ² - 2,5 mm ² (AWG 26-14)
Colour	pebble grey, RAL 7032	- prepared	0,14 mm ² - 1,5 mm ² (AWG 26-16)
Contacts	built-in, copper alloy, silver ● plated	Stripping length	9...11 mm
		Wire diameter: up to 3,8 mm.	

Accessories	Pages
MIXO Frames	
Metal frames for modular units	C.94-95
Thermoplastic docking frames	C.98-101
Enclosures	
Insulating MIXO holder	C.103
MIXO ONE	C.106-107
MIXO TWO	C.110-111



CX 12 DY inserts max. current load derating diagram