

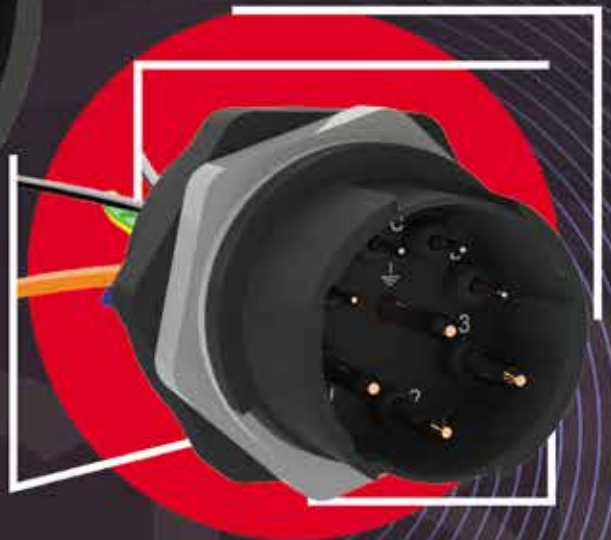
Unic8ne



8 PIN

POWER/SIGNAL CONNECTOR

FULLY DEVELOPED, DESIGNED AND MADE BY EUROCONNECTION





Unic8ne

Unic8ne is a compact and robust connector which connects three-phases asynchronous motors to their modules.

Connecting motor with Unic8ne has never been so easy. Despite the fast and easy fitting, IP67 water protection is guaranteed.

The compact size of Unic8ne, both available in axial and radial version, allows minimizing spaces, simplifying installation and providing cost saving.

Unic8ne, renewed compared to its younger brother UNICO, has 8 poles, 4 of which are power for the three phases and the ground and 4 of which are signal to manage brake, thermal or fan and a quick spring-connection that allows a push-pull type insertion.

Unic8ne is available both male and female, both overmolded flying version and panel version with M20 x 1.5 thread.

The cables used for Unic8ne flying version can be shielded or unshielded, with jacket both in PVC (fixed installation) and in PUR (dynamic installation for applications in cable chains). Panel mounting connectors (motor side) can be wired with terminations according to customer's request (rings, ferrules, ultrasonic welding or other...).

The whole range of Unic8ne products is UL-CSA certified to comply with the requirements of the North American and Canadian markets.

The thermoplastic materials with which Unic8ne is made have a flammability rating of UL94 V-0 class and comply with the RoHS and Reach directives.

Technical features	
Thermoplastic material	PA66
Overmolding material	PUR
Thermoplastic and overmolding materials reference standard	UL 94 / V-0
Current [A] (with maximum cross-section)	30 / 7
Rated Voltage AC/DC [V]	630 / 250
Numbers of pins	8 (3 + PE + 4)
Max cross section [mm ²]	4 (3 + PE) + 1.0 (2) + 1.5 (2)
Range Temperature [°C]	-20 / +70°C
Raw cables types	Multicore power cables Shielded / Unshielded Fixed / Dynamic Others on request
Approvals	CEI, UL-AWM (UL-CSA) Others on request
Protection degree	IP67



Part numbering



UC8 — **4AW** **B** **A** **A** **A** **0300**

Cable type

NAW = power 4 wires
2AW = power 4 wires + 2 additional wires
4AW = power 4 wires + 4 additional wires

External jacket features

X = Single wires (panel connector)
A = PVC fixed application - shielded UL/CSA
B = PUR dynamic application - shielded UL/CSA
C = PVC fixed application - not shielded UL/CSA
D = PUR posa mobile - not shielded UL/CSA
E = PVC fixed application - shielded
F = PVC fixed application - not shielded

Conductor cross section

	NAW = power no brake	2AW = power + 2 wires	4AW = power + 4 wires
A	1.5 mm ²	1.5 mm ² + 1.5 mm ²	1.5 mm ² + 0.75 mm ²
B	2.5 mm ²	2.5 mm ² + 1.5 mm ²	2.5 mm ² + 1 mm ²
C	4 mm ²	4 mm ² + 1.5 mm ²	4 mm ² + 1 mm ² + 1.5 mm ²

Side 1 connection

A = female straight connector with nut
B = male straight connector w/o nut
C = female 90° connector with nut
D = male 90° connector w/o nut
E = M20X1.5 male panel connector w/o nut
F = M20X1.5 female panel connector with nut
X = Cut end

Side 1 connection

A = female straight connector with nut
B = male straight connector w/o nut
C = female 90° connector with nut
D = male 90° connector w/o nut
Ey = free leads working with terminals (for "y" see below table)
X = Cut end

y : free leads working with terminals

1 = ring terminal M3	10 = fork terminal M3,5
2 = ring terminal M3,5	11 = fork terminal M4
3 = ring terminal M4	12 = fork terminal M5
4 = ring terminal M5	13 = fork terminal M6
5 = ring terminal M6	14 = forcella terminale M8
6 = ring terminal M8	15 = ferrule 8mm length
7 = ring terminal M10	16 = ferrule 10mm length
8 = ring terminal M12	17 = ferrule 12mm length
9 = fork terminal M3	18 = ferrule 18mm length

Length (dm)

0010 = 1 meter
0035 = 3.5 meters
0500 = 50 meters





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