

ENTRELEC

Electrical Solutions



IPX8 INSTANT CONNECTORS

IDC technology

Connection capacity: from 0.75 to 4 mm² - 18 to 12 AWG

IPX8 are the fastest, easiest and most convenient wire connectors in the industry for Indoor and outdoor installations. The IDC (Insulation Displacement Technology) allows the installer the convenience of not having to prepare the wire before installation. Simply pick the correct connector for the wire gauge selected and crimp the terminal using a standard set of pliers by pushing the button to complete the process.



Speed up your projects

Instant Connection

Save installation time and eliminate the need to pre-strip wires with insulation displacement technology (IDC).

No special tool required

All installation connectors allow for push button termination using a common pair of pliers.

Easy wire size identification

Red, yellow & blue color coded termination buttons take the guess work out of matching wire size to appropriate connector.



Easy to install

Independent connections

Easy factory or field installation using independent left and right side push button termination.

Visual control

The design includes a clear body material for visual inspection of the connection.

Easy to assemble together

Flexibility in multi-pair termination design with stacking feature.



For all your needs

Protection against water and dust

The gel inside the connectors gives an IPX8 Ingress Protection (2 hours, 1 m under water).

Large wire size range

Connection capacity from 0.75 to 4 mm² (18 to 12 AWG) and connectors with mixed cross-sections.

Large temperature range

Resist to an ambient temperature from -40°C to 75°C.
Operating temperature between -40°C and 105°C.



IPX8 Instant connectors

Product ordering information

INPUT*		OUTPUT*			IP	Part Number	Type	Rated Voltage		Rated Current / Cross Section		Dimensions (mm)				
Cross Section mm ²	Color	Cross Section mm ²	Color	Color				IEC	UL	IEC	UL	Width	Length	Height	Packing	
2.5...4	14...12	Yellow	2.5...4	14...12	Yellow	IPX8	ISW40-40-L	600 V	600 V	4 mm ² : 20 A 2.5 mm ² : 15 A 1.5 mm ² : 15 A 0.75 mm ² : 10 A	12 AWG: 20 A 14 AWG: 15 A 16 AWG: 15 A 18 AWG: 10 A	12.8	48	21.3	50	
2.5...4	14...12	Yellow	1.5...2.5	16...14	Blue		1SET212002R0000									ISW40-25-L
2.5...4	14...12	Yellow	0.75...1.5	18...16	Red		1SET212003R0000									ISW40-15-L
1.5...2.5	16...14	Blue	0.75...1.5	18...16	Red		1SET212004R0000									ISW25-15-L
0.75...1.5	18...16	Red	0.75...1.5	18...16	Red		1SET212005R0000									ISW15-15-L

* Wire diameter Maximum Capacity	
Color	Max. Diam (mm)
Yellow	4.5
Blue	4
Red	3.5

Flexible without ferrule (IEC V-K & UL: class 5/6)	Not allowed Flexible with insulated ferrule (IEC V-K & UL: class 5/6)	Rigid Solid (IEC V-U class 1, UL solid)	Rigid Stranded (IEC V-R class 2, UL class C)

Mounting Instructions

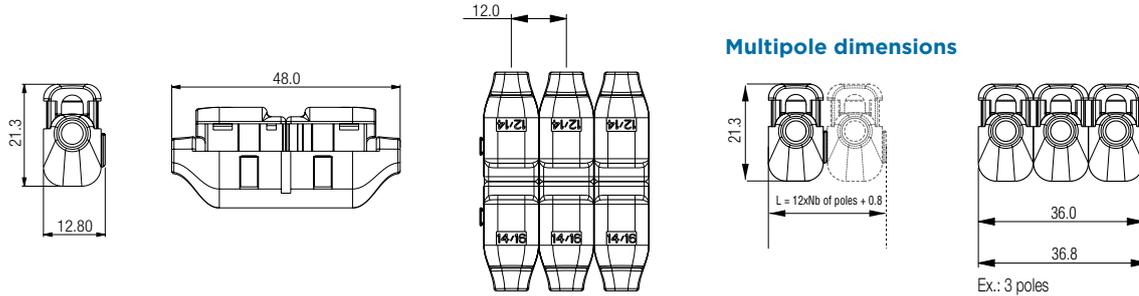
-
-
-

Insert the wire without stripping it

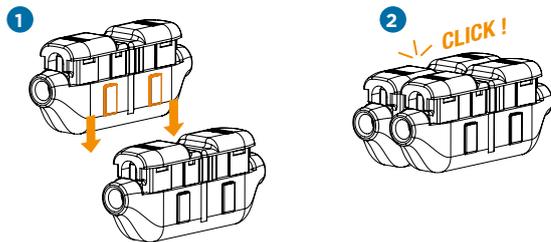
Press the button with a standard pair of pliers

Your connection is terminated correctly

Dimensions



Assembling instructions



Product Compliance / Approvals

- IEC 60998-2-3
- UL 486C
- CSA C22.2 No. 188-13

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