

ENTRELEC

Electrical Solutions



IPX8 INSTANT CONNECTORS

IDC technology

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

The IPX8 Instant Connectors are the faster and easier wire connectors for indoor and outdoor installations. The IDC Technology (Insulation Displacement Connector) does not require to prepare the wire before the connection. Just pick the right connector for the required wire size, a standard pair of pliers and press the button.



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 requested

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*			Rated Voltage			Rated Current / Cross Section		Dimensions (mm)					
Cross Section	Color		Cross Section	Color	IP	Part Number	Type	IEC	UL	IEC	UL	Width	Length	Height	Packing	
mm ²		AWG	mm ²													
Single																
	2.5...4	14...12	Yellow	2.5...4	14...12	Yellow	1SET212001R0000	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								50
	2.5...4	14...12	Yellow	0.75...1.5	18...16	Red	1SET212003R0000	ISW40-15-L								50
	1.5...2.5	16...14	Blue	0.75...1.5	18...16	Red	1SET212004R0000	ISW25-15-L								50
	0.75...1.5	18...16	Red	0.75...1.5	18...16	Red	1SET212005R0000	ISW15-15-L								50
* Wire diameter Maximum Capacity																
Color	Yellow		Blue		Red											
Max. Diam (mm)	4.5		4		3.5											
Not allowed  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)		

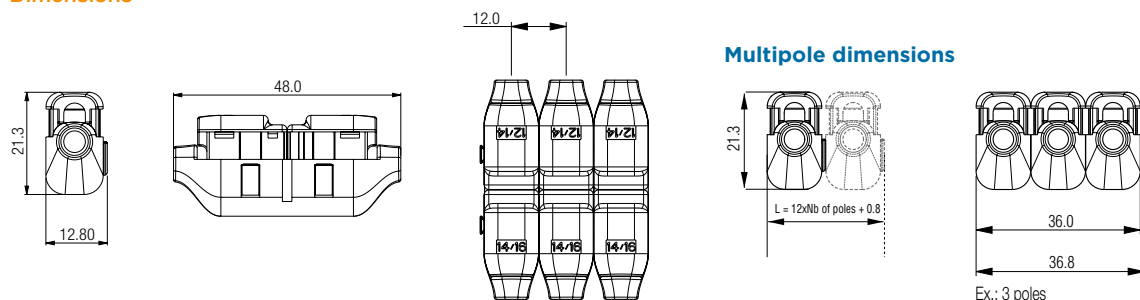
Mounting Instructions

1 Insert the wire without stripping it

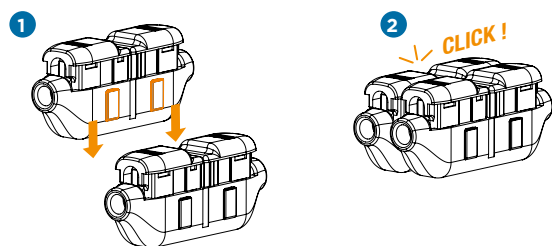
2 Press the button with a standard pair of pliers

3 Your connection is terminated correctly

Dimensions



Assembling instructions



Product Compliance / Approvals

- IEC 60998-2-3
- UL 486C



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