Gel

"Self-centering" and "self-screwing" locking device

5 sector spacers

Cable glands complete of gasket

INTRODUCTION

Encapsuled's POD is an important innovation in the field of IP68 pre gel filled Connectors.

A thorough development during the design and the pattern phase led to an excellent product which is easy-to-use, minimum sized, extremely reliable as regards its opening and closing for connection change purpose.

The innovatory use of Gel as an insulator allows POD to ensure high insulation capacity, insulation features unchanged over time.

The latest new products and developments are going to the direction to enlarge the applications range of our IP68 Boxes:

- to cover more low & mid power electric specs.
- to be utilized in DALI systems and/or in dimmable applications.
- to offer extremely min-sized boxes which are very compact, but versatile to connect LED equipment's serial and/or parallel.

EASY CONNECTION

- A common terminal block or simple terminals provide the wire connection
- No gasket, glands and sheath
- Any box is supplied by cable clamp for a safe block against pull or push of the cables
- In case of changes in the electric wiring, the box can be opened by a screwdriver, the connection can be re-inspected.

VERSATILITY

- Connection from a feed through wire to the user appliances.

It's possible to connect up to 3 appliances & can be used in multiples.

SAFETY

POD cooperated with the most qualified European Companies in the research and development of insulating GEL which have the

following features:

- excellent sealing and water tightness
- good resistance to chemical agents
- excellent adhesion to any support the material used for the casing
- extreme deform ability and adaptability
- high elastic memory
- high insulating or dielectric strength: min 1,0 kV.

TECHNICAL FEATURES

- IP68 insulation class at 1 metre to 3 metres depth
- Connection protection prevents humidity into the appliance by capillarity
- Containers made in NYLON PA66 Self-Extinguish

POD, in the last few years, has spent efforts to develop the product for the possibilities of use and solutions to protect electrical connections in a difficult environment. Today the POD family offers a wide range of possibilities and can cope with the multiple needs required by the market.

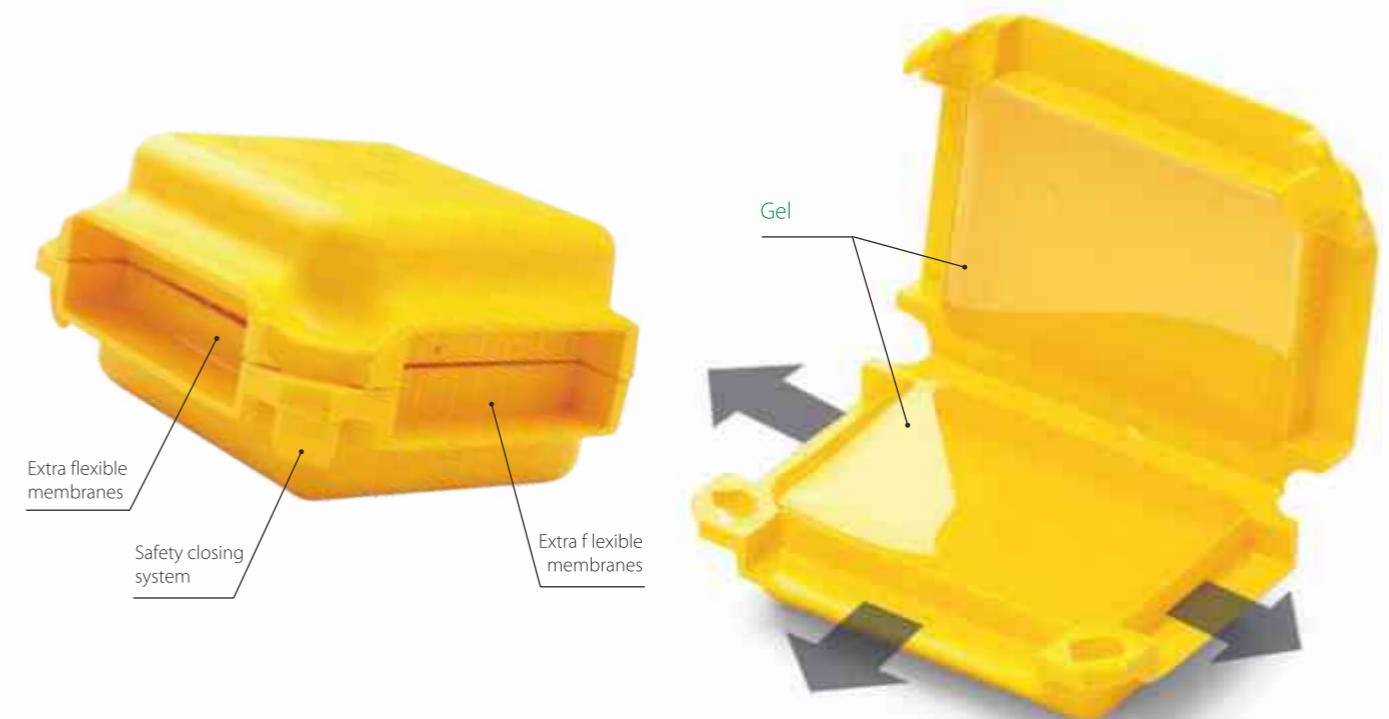The connectors of the POD family are supplied with already casted and cross linked GEL. Once cables are joined with the accessories supplied, it is easy to protect the connection by coupling the two parts of the connector.

The GEL will cover cables, the conductors and the electrical connection ensuring electrical insulation and preventing dust and moisture infiltration, between the external surface of cables and the external part of the connector; between the inner insulating layers and the individual conductors. This is a unique feature in the IP68 waterproof connectors. The other products available in the existing market protects only the external insulation of the cable.

The enclosures of our IP68 Gel Connectors are moulded in NYLON PA66 which is having a property of self-extinguishing, UV and at 120°C max. Temperature (in continuous work) resistant.

POD Gel is whole non-toxic, transparent, very good dimensional stability, excellent knock's absorption properties, buffering vibrations and extremely light, latex free and flame retardant.

GEL is mechanically static at temperature between – 30° and 130°C.

Gel

Extra flexible membranes

Safety closing system

Extra f lexible membranes

ENCAPSULED

P O D

IP-68 PRE FILLED GEL CONNECTORS

Applications:

Quick, Easy & Clean Joints for
Outdoor Lights | Street Lights | Garden Lights
Fountain Lights | Pool Lights
Solar Lights & Signages

Connections of Outdoor Equipments like
Solar Panels | Motors/Pumps | CCTV's
Loud Speakers | Steam & Sauna Rooms
etc .Protection from:

Protection from:

Frost | Humidity | Steam | Salt Sea Water
Chlorine Water | Chemicals etc.

For many types of Industrial Applications.

Complete with screw connectors

Buffers Vibration and it is Flame Retardant.

Low Smoke and Toxic and corrosive gas emissions.

Re-accessible and with Unlimited Shelf Life.

Wide temperature range -40°c to 105°c.

5665

IP-68 Pre Gel Filled
Wire Connectors

2 Ways
Connection 2wire x 0.75mm
For cables in rubber
External diameter of the cable
(min. – max.) 4.8 – 6mm
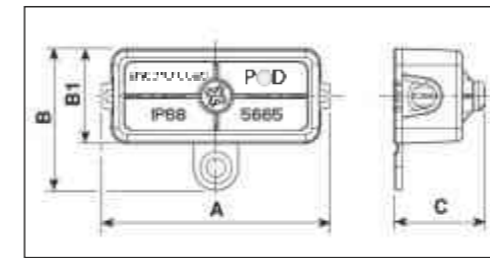
Dimensioni / Dimensions (mm)			
A	B	B1	C
44	27	18	17,5

ENCAPSULED

P●D
IP-68 PRE FILLED GEL CONNECTORS

ENCAPSULED

P●D
IP-68 PRE FILLED GEL CONNECTORS

5630

IP-68 Pre Gel Filled Wire Connectors
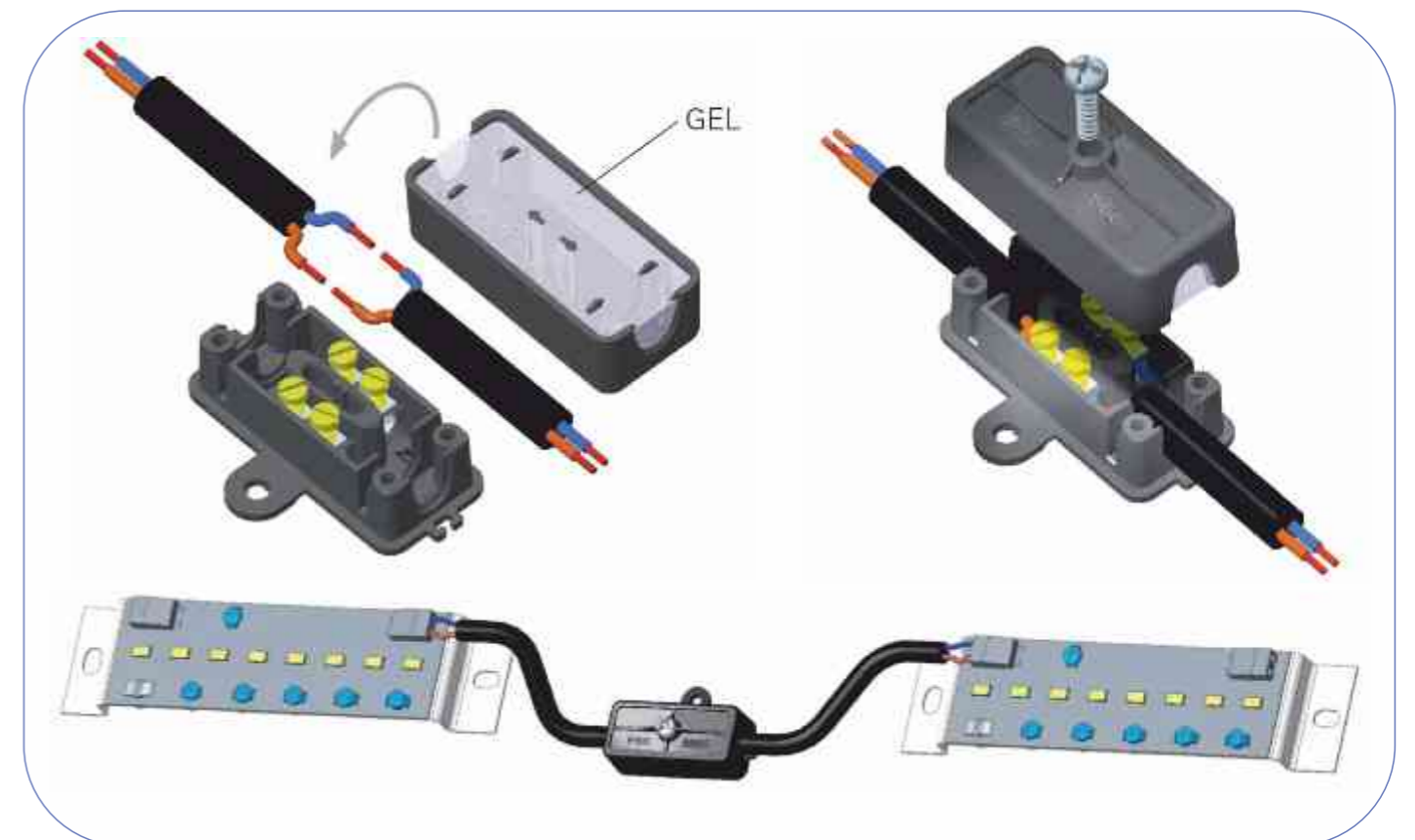
2 Ways
Connection 2wire x 1mm
For cables in rubber
External diameter of the cable
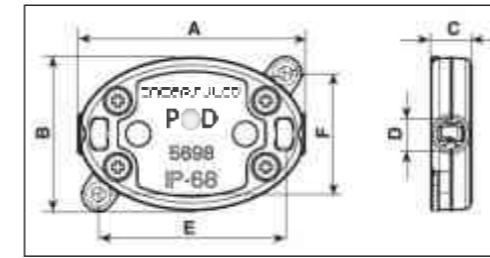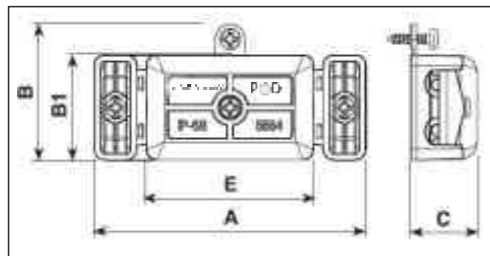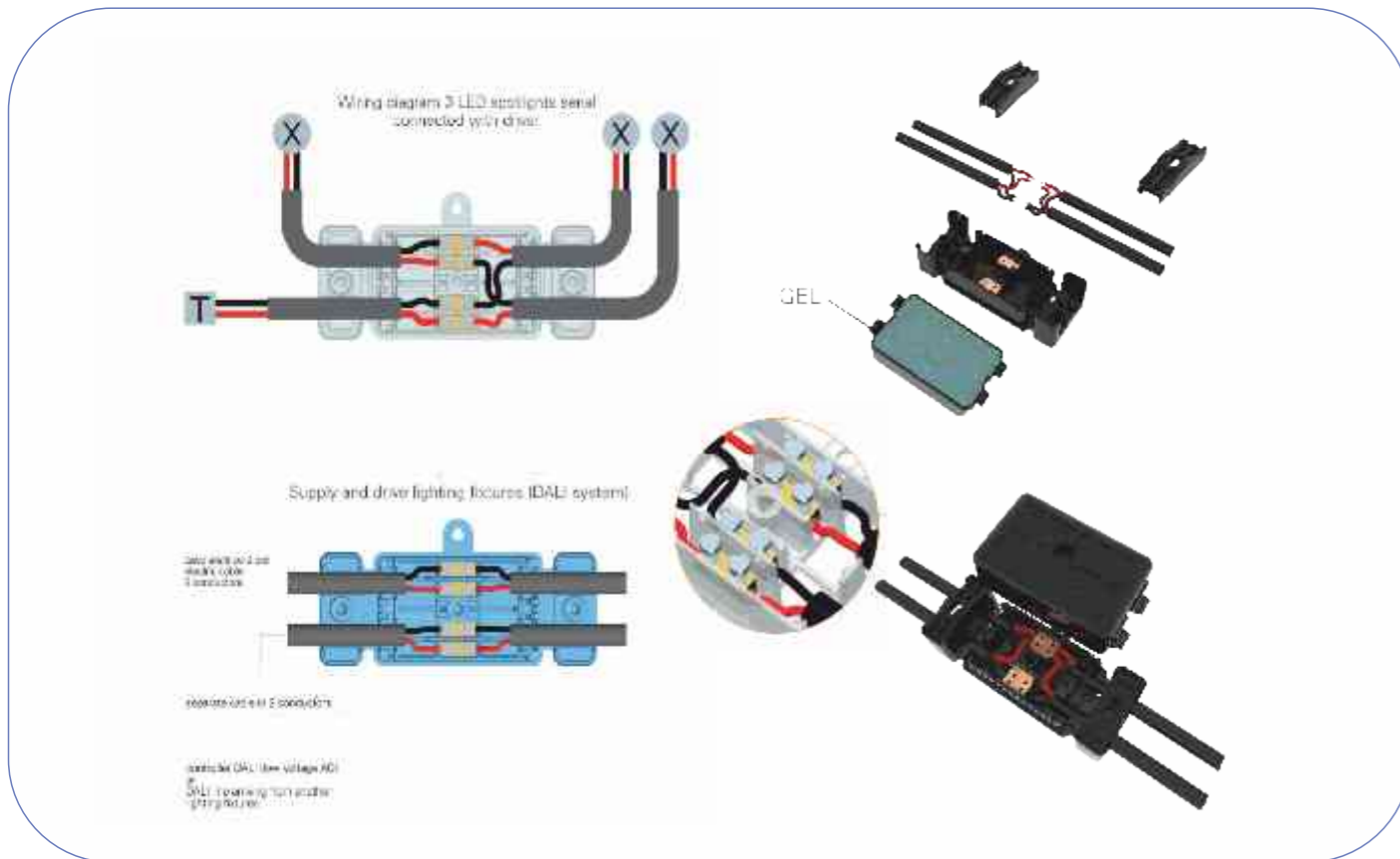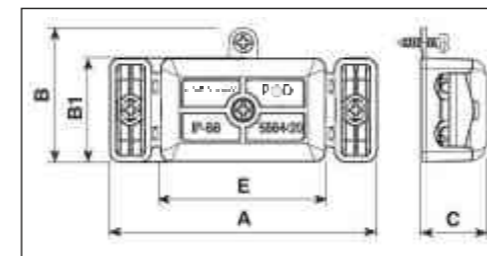(min. – max.) 6-8mm
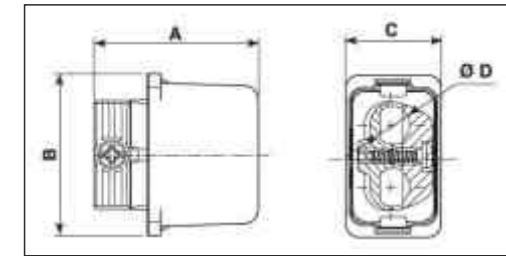
Dimensioni / Dimensions (mm)

A	B	B1

5698

IP-68 Pre Gel Filled Wire Connectors
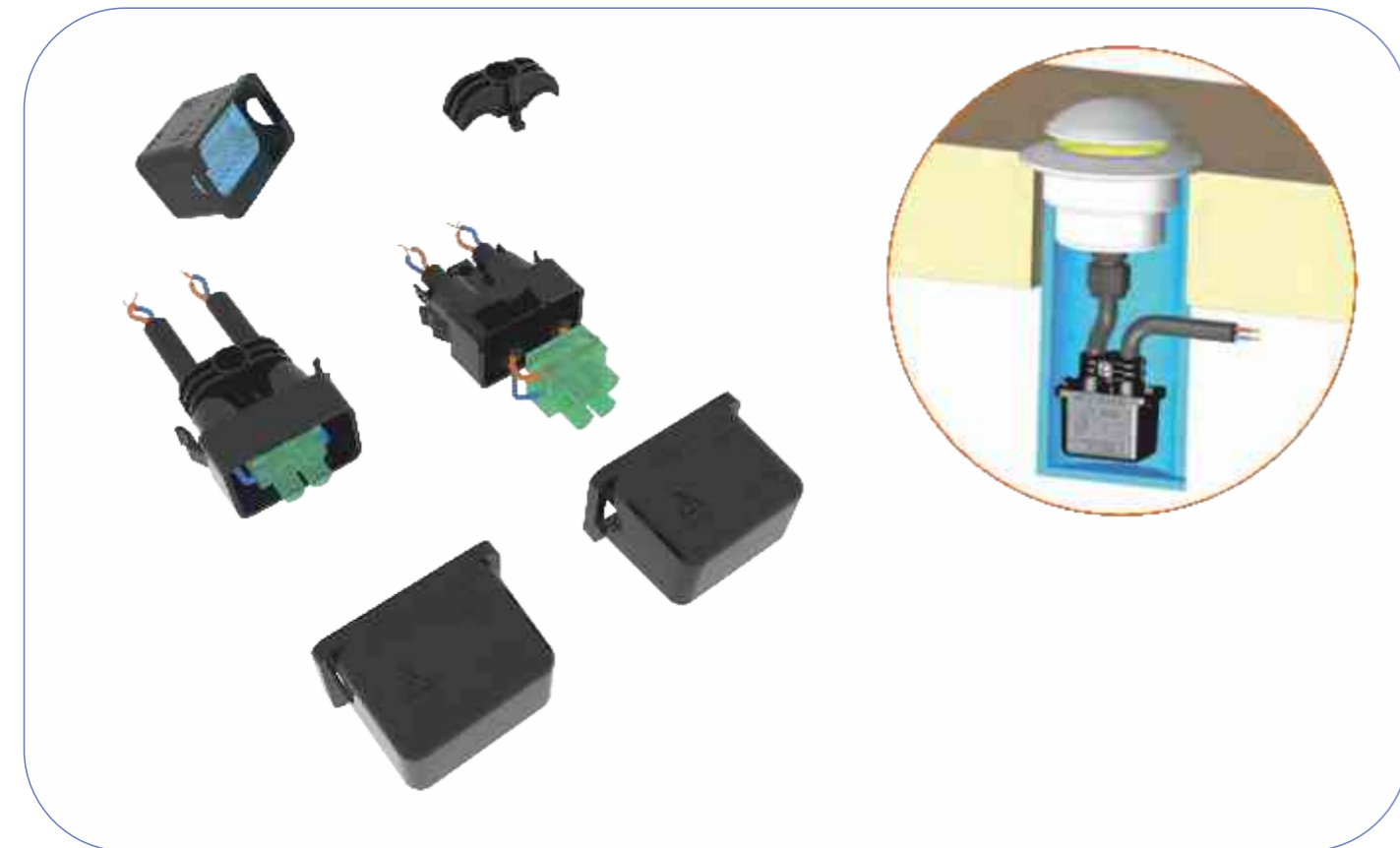
2 Ways
Connection 3wire x 1mm
For cables in rubber
External diameter of the cable
(min. – max.) 5 – 7mm

Dimensioni / Dimensions (mm)

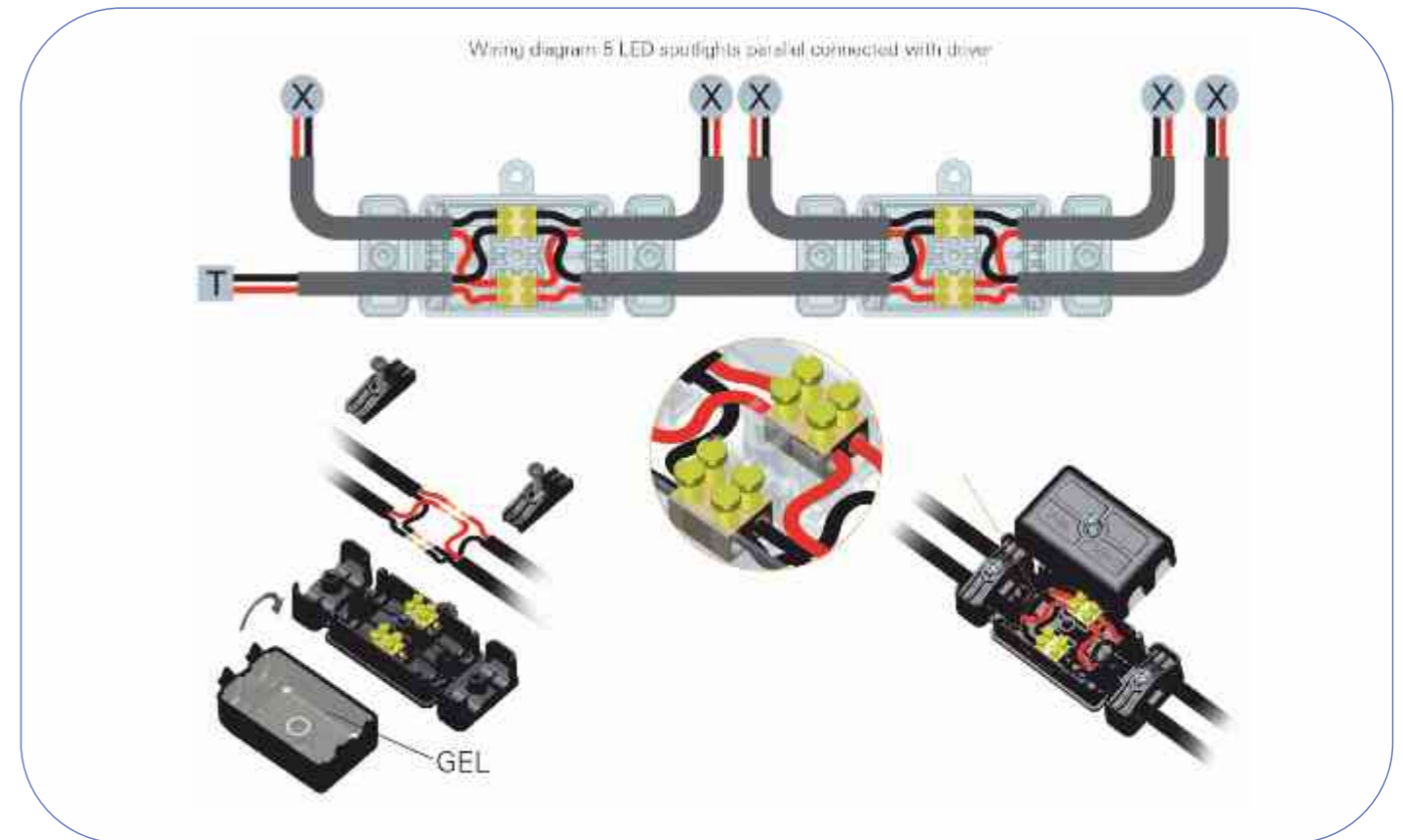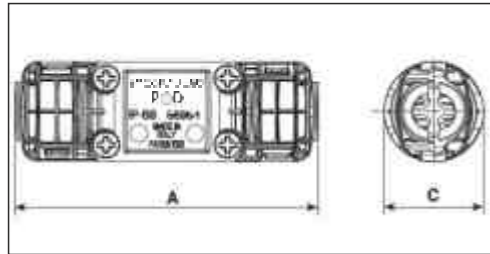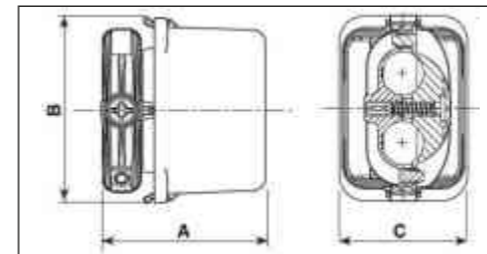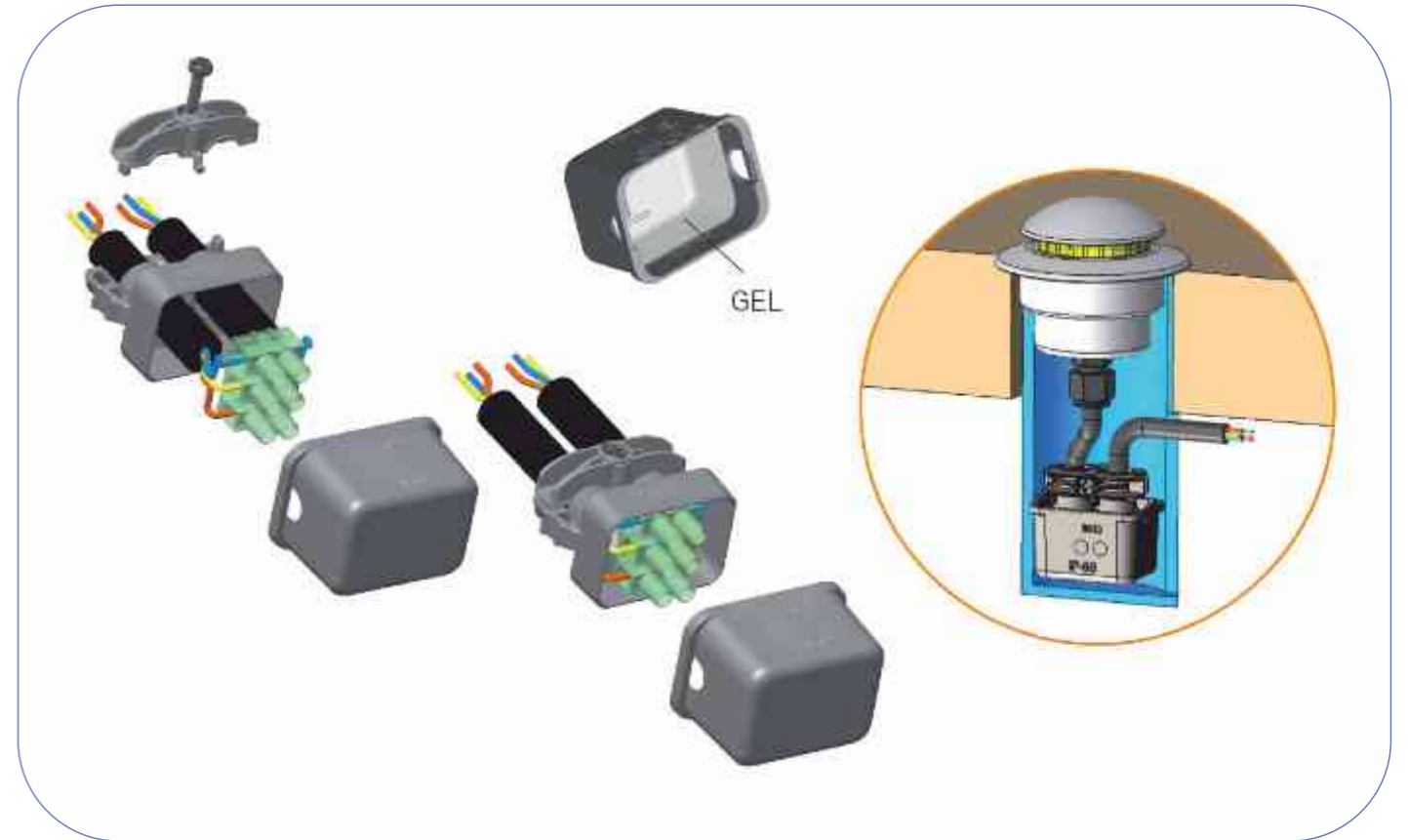| A	B	B1

GEL

5664

IP-68 Pre Gel Filled Wire Connectors

4 Ways
Connection 2wire x 1mm
Serial connection
For cables in rubber
External diameter of the cable
(min. – max.) 4.5 – 8.5mm

Dimensioni / Dimensions (mm)

A	B	B1	C	E
80	39,5	30,5	19,5	50

5664/20

IP-68 Pre Gel Filled Wire Connectors

4 Ways
Connection 2wire x 1mm
Parallel connection
For cables in rubber
External diameter of the cable
(min. – max.) 4.5 – 8.5mm

Dimensioni / Dimensions (mm)

A	B	B1	C	E
80	39,5	30,5	19,5	50

ENCAPSULED

P O D
IP-68 PRE FILLED GEL CONNECTORS

ENCAPSULED

P O D
IP-68 PRE FILLED GEL CONNECTORS

5695/1

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 3wire x 1.5mm
For cables in rubber
External diameter of the cable
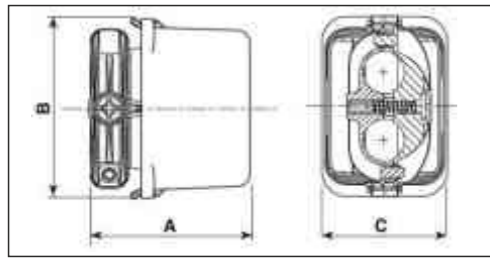(min. – max.) 5.5 – 10mm

Dimensioni / Dimensions (mm)

A	C
70	23

5633

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 3wire x 1.5mm
For cables in rubber
External diameter of the cable
(min. – max.) 8 – 10mm

Dimensioni / Dimensions (mm)

A	B	C
38	42,5	29,5

5633/6

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 4wire x 1mm - 6wire x 0.50mm
For cables in rubber
External diameter of the cable
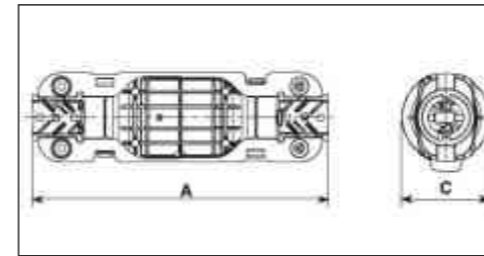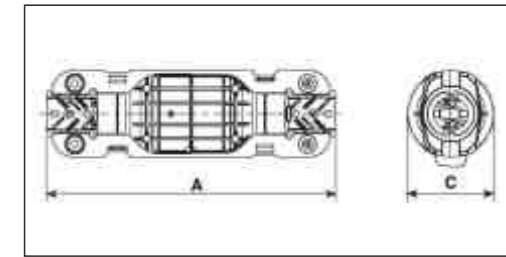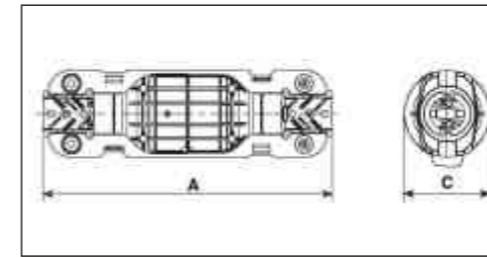(min. – max.) 8 – 10mm

Dimensioni / Dimensions (mm)		
A	B	C
38	42,5	29,5

Gel

5650/3

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 3wire x 2.5mm
For cables in rubber
External diameter of the cable
(min. – max.) 6.5 - 12mm

Dimensioni / Dimensions (mm)	
A	C
100	29

GEL

5650

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 4wire x1mm - 6wire x 0.50mm
For cables in rubber
External diameter of the cable
(min. – max.) 6.5 - 12mm

Dimensioni / Dimensions (mm)	
A	C
100	29

GEL

5650/20

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 2wire x 1.5mm
(plug-in connector plug/socket)
For cables in rubber and/or PVC
External diameter of the cable
(min. – max.) 6.5 – 12mm

Dimensioni / Dimensions (mm)	
A	C
100	29

GEL

5625

IP-68 Pre Gel Filled Wire Connectors

4 Ways
Connection 3wire x 2.5mm
For cables in rubber and/or PVC
External diameter of the cable
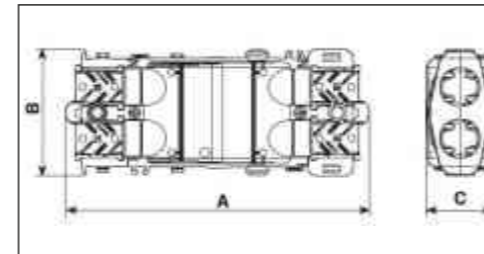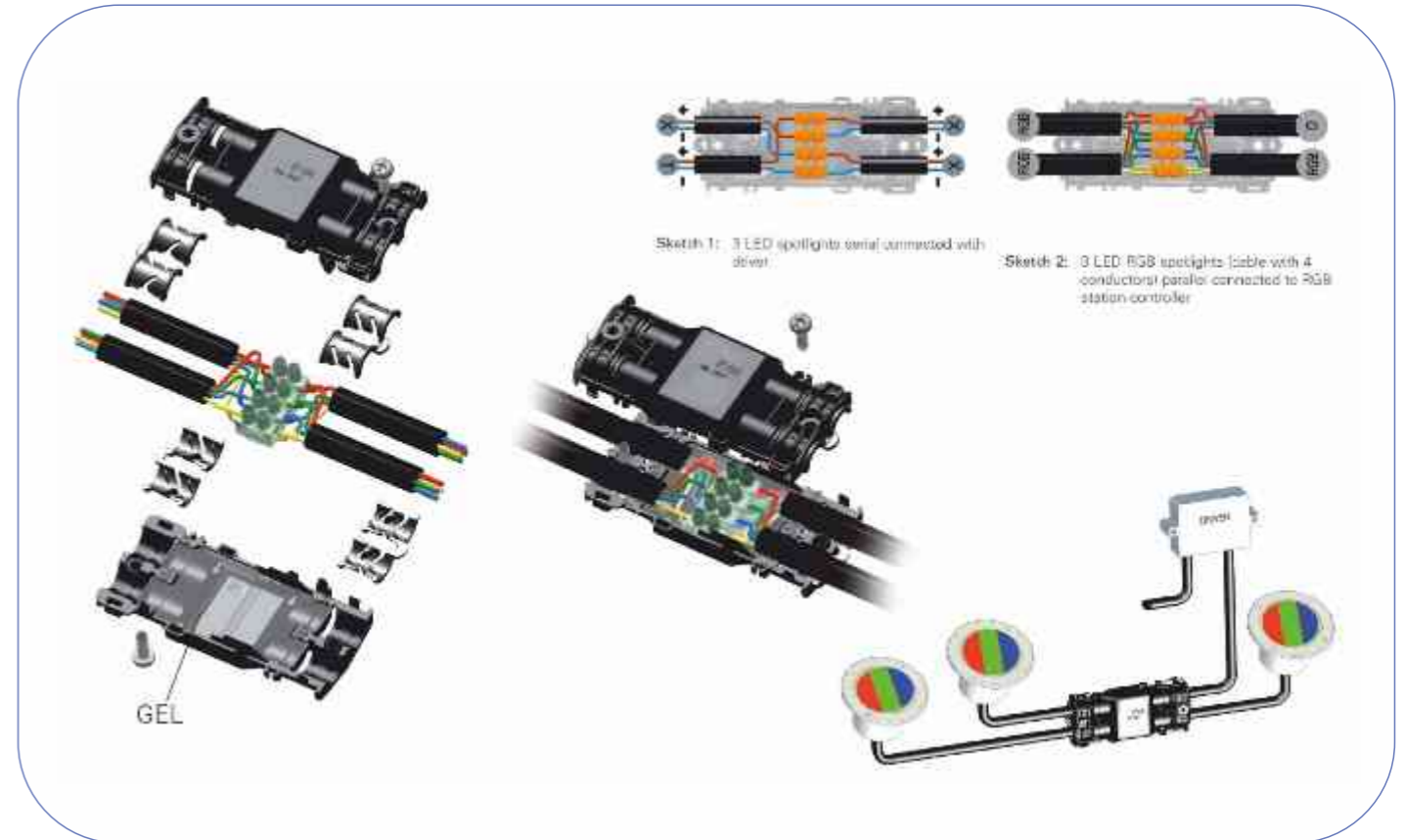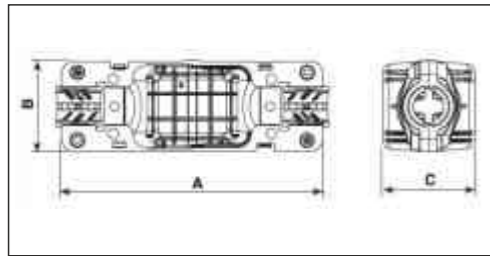(min. – max.) 6.5 – 12mm

Dimensioni / Dimensions (mm)

A	B	C
105	44	24

GEL
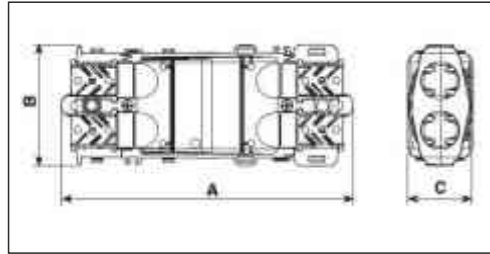
5625/415

IP-68 Pre Gel Filled Wire Connectors

4 Ways
Connection 4wire x 1.5mm
For cables in rubber and/or PVC
External diameter of the cable
(min. – max.) 6.5 – 12mm

Dimensioni / Dimensions (mm)

A	B	C
105	44	24

GEL

5660/2

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 2wire x 6mm
For cables in rubber and/or PVC
External diameter of the cable
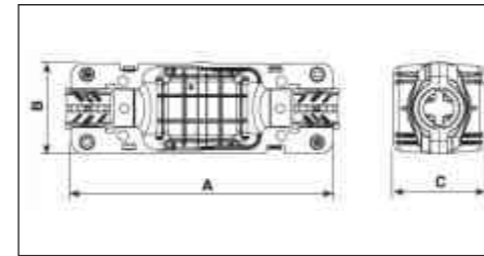(min. – max.) 7.5 – 16mm

Dimensioni / Dimensions (mm)

A	B	C
120	40	41

GEL

5660/3

IP-68 Pre Gel Filled Wire Connectors

2 Ways
Connection 3wire x 4mm
For cables in rubber and/or PVC
External diameter of the cable
(min. – max.) 7.5 – 16mm

Dimensioni / Dimensions (mm)

A	B	C
120	40	41

GEL

5663

IP-68 Pre Gel Filled Wire Connectors

3 Ways
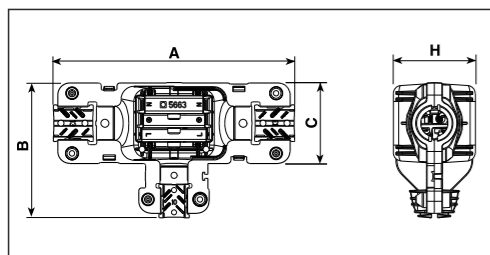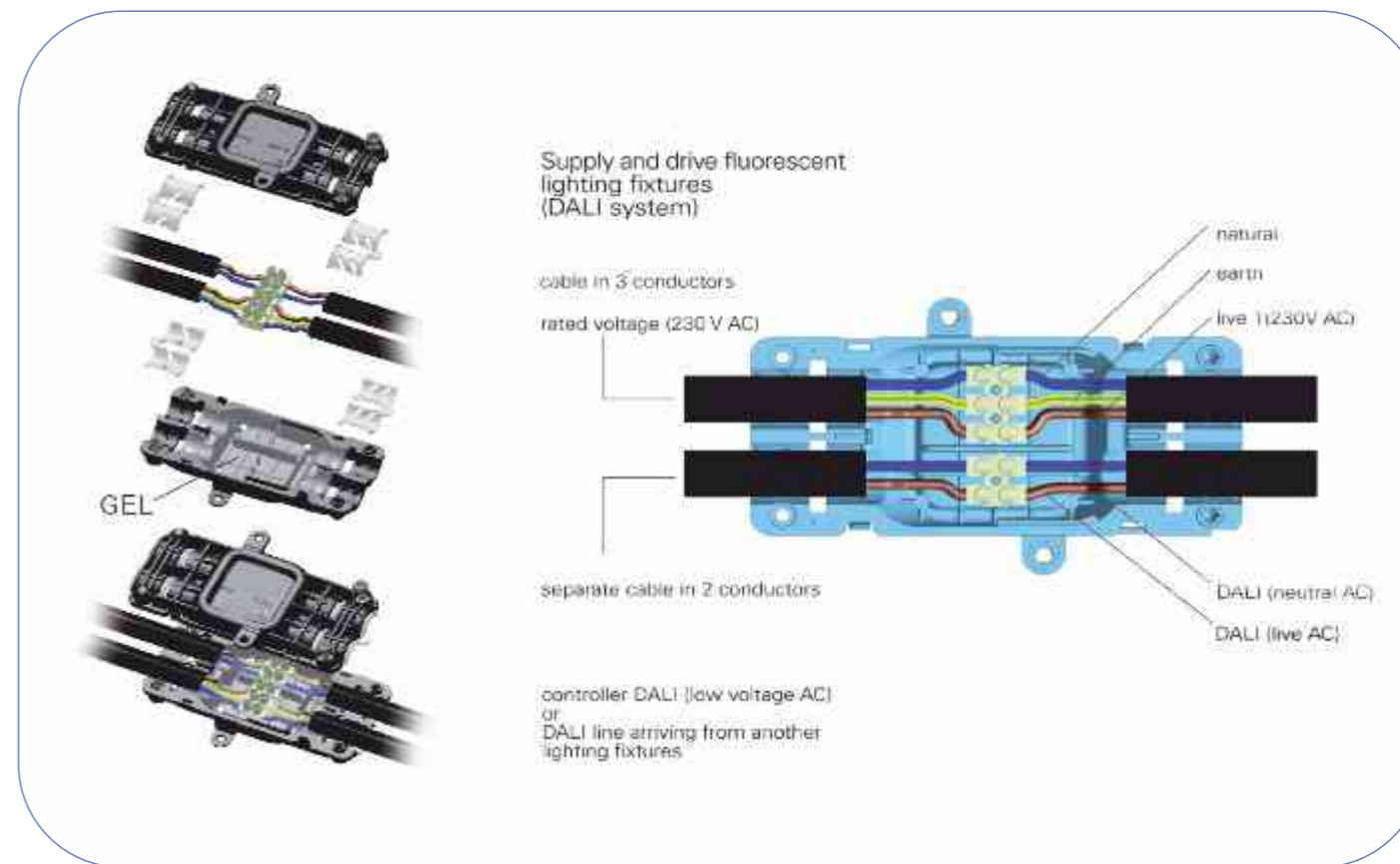**Connection: Main line 3wire x 6mm**
Derivation 3wire x 2.5mm
For cables in rubber and/or PVC
External diameter of the cable
Main Line (min. – max.) 7.5 – 16mm
Derivation (min. – max.) 6.5 – 12mm

Dimensioni / Dimensions (mm)

A	B	C	H
120	67	37	40

GEL

5660/5

IP-68 Pre Gel Filled Wire Connectors

4 Ways
Connection 5wire x 1.5mm
(for dimmable and/or DALI system's lighting fixtures)
For cables in rubber and/or PVC
External diameter of the cable
(min. – max.) 7.5 – 16mm
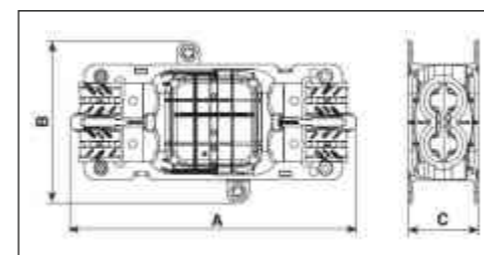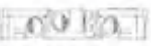
Dimensioni / Dimensions (mm)

A	B	C
138	78	35

GEL

Supply and drive fluorescent lighting fixtures (DALI system)

cable in 3 conductors
rated voltage (230 V AC)

separate cable in 2 conductors

controller DALI (low voltage AC) or DALI line arriving from another lighting fixtures

natural
earth
live 1 (230V AC)
DALI (neutral AC)
DALI (live AC)

Technical details	5665	5630	5698	5664	5664/20
Ways 2	2	2	2	4	4
No. of Poles	2	2	3	4	2+2
Connection (mm2)	2X0,5	2X1	3X1	2X1	2X1
External diameter of the cable (min-max) (mm2)	4,8-6	6-8	5-7	4,5-8,5	4,5-8,5
Cord - anchorage (strain relief)					
Degree of protection Ip68					
Electrical specs.	250V 6A	250V 6A	250V 6A	250V 6A	250V 6A
Certification standards	Intertek SEMKO	Intertek SEMKO	in progress	in progress	in progress

Components for junction devices

Terminal block					
2x2,5	•				
2x2,5		•			
2+2x1,5					
4x1,5				•	
2+2x1,5					•
3x1,5					
Self-threading screw inox (stainless steel) N. pieces	1	1	4	3	3
Assembly instructions' manual	•	•	•	•	•

The box with its components is supplied in single plastic bag

Technical details	5695/1	5633	5633/6	5693
Ways 2	2	2	2	3
No. of Poles	3	3	4-6	3
Connection (mm2)	3x1,5	3x1,5	4x1	3x1,5
Main line				
Derivation			2x0,75	
External diameter of the cable (min-max) (mm2)	5,5-10	8-10	8-10	8-10
Cord - anchorage (strain relief)	•	•	•	•
Degree of protection Ip68	•	•	•	•
Electrical specs.	250V 10A	250V 10A	12-24V	250V 10A
Certification standards	in progress	Intertek SEMKO		in progress

Components for junction devices

Terminal block				
2x1,5 (parallel)				
2x1,5 (serial)				
3x2,5				
4x2,5				
Cable holder				
Adapters (mm) 5,5min – 7,5max	•			
Self-threading screw inox (stainless steel) N. pieces	4	1	1	2
Assembly instructions' manual	•	•	•	•

The box with its components is supplied in single plastic bag

Technical details	5650/3	5650	5650/20
Ways	2	2	2
No. of Poles	3	6	2
Connection (mm2)	3X2,5	4X1-6X0,50	2X1,5
External diameter of the cable (min-max) (mm2)	6,5-12	6,5-12	6,5-12
Cord - anchorage (strain relief)	•	•	•
Degree of protection IP68	•	•	•
Electrical specs.	6,5-12	6,5-12	6,5-12
Certification standards	Intertek SEMKO	in progress	in progress

Components for junction devices
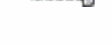
Terminal block			
3x2,5	•		
5+5x2,5			
3+3x2,5			
6x1,5		•	
Connector plug/socket plug-in 2x1.5			•
Adapters (mm) 5,5min – 7,5max 6,5min – 9,5max	•	•	•
Self-threading screw inox (stainless steel) N. pieces	4	4	4
Assembly instructions' manual	•	•	•

The box with its components is supplied in single plastic bag

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Technical details	5625	5625/415
Ways	4	4
No. of Poles	3	4
Connection (mm2)	3x2,5	4x1,5
External diameter of the cable (min-max) (mm2)	6,5-12	6,5-12
Cord - anchorage (strain relief)	•	•
Degree of protection IP68	•	•
Electrical specs.	250V 16A	250V 10A
Certification standards	Intertek SEMKO	Intertek SEMKO

Components for junction devices

Terminal block		
4x2,5		•
3x4	•	
5+5x2,5		
3+3x2,5		
Adapters (mm) 6,5min – 9,5max	•	•
Self-threading screw inox (stainless steel) N. pieces	2	2
Assembly instructions' manual	•	•

The box with its components is supplied in single plastic bag

Technical details	5660/2	5660/3	5663	5663/3
Ways	2	2	3	3
No. of Poles	2	3	3	3
Connection (mm2)	2x6	3x4	3x6 $^{\text{linea}}_{\text{main line}}$ 3x2,5 $^{\text{derivazione}}_{\text{derivation}}$	3x2,5 $^{\text{linea}}_{\text{main line}}$ 3x1,5 $^{\text{derivazione}}_{\text{derivation}}$
External diameter of the cable (min-max) (mm2)	7,5-16	7,5-16	7,5x16 $^{\text{linea}}_{\text{main line}}$ 6,5x12 $^{\text{derivazione}}_{\text{derivation}}$	7,5x16 $^{\text{linea}}_{\text{main line}}$ 6,5x12 $^{\text{derivazione}}_{\text{derivation}}$
Cord - anchorage (strain relief)	•	•	•	•
Degree of protection IP68	•	•	•	•
Electrical specs.	450V 25A	450V 25A	450V 25A	250V 16A
Certification standards	in progress	in progress	in progress	in progress

Components for junction devices

Terminal block				
3x4		•		•
2x10	•			
3+3x6			•	
Adapters (mm) 6,5min – 9,5max			•	•
10,5min – 13max	•	•	•	•
7,5min – 10max	•	•	•	•
Self-threading screw inox (stainless steel) N. pieces	4	1	6	6
Assembly instructions' manual	•	•	•	•

The box with its components is supplied in single plastic bag

Technical details	5660/4	5660/4/2	5660/5
Ways	4	4	4
No. of Poles	3	3	3+2
Connection (mm2)	3x4	3x6	3+2x2,5
External diameter of the cable (min-max) (mm2)	7,5-16	7,5-16	7,5-16
Cord - anchorage (strain relief)	•	•	•
Degree of protection IP68	•	•	•
Electrical specs.	450V 25A	450V 25A	250V 16A
Certification standards	Intertek SEMKO	in progress	in progress

Components for junction devices

Terminal block			
2x2,5			•
3x2,5			•
3x10	•		
3+3x6		•	
5+5x6			
Adapters (mm) 6,5min – 9,5max 7,5min – 10max	•	•	•
10,5min – 13max 13min – 15,5max	•	•	•
Self-threading screw inox (stainless steel) N. pieces	4	4	4
Assembly instructions' manual	•	•	•

The box with its components is supplied in single plastic bag

CLICK
IP-68 PRE FILLED GEL CONNECTORS

Electrical performance:
Testing under water head
of the accessory installed in a box

Operating temperature   90°

Installation temperature: -40°C / +50°C

Fully submersible

Can be used underground

IP68
OFFICIALLY
TESTED

POD CLICK, The revolutionary Gel connectors with 3 entrances, pre-filled with gel and suitable for submersible installations (IPX8).
Designed in 2 / 3 dimensions to rapidly insulate and seal the most commonly used connectors. The 2 / 3 entrances not only guarantee the extreme flexibility in the range of these products by making possible triple configurations but also by the housing accepting a wide variety of connectors.

- Extremely versatile - Ready to use - Re-enterable
- For rigid of flexible insulated wires up to 6 sqr. mm
- Pre-filled with gel with no shelf life.
- Small compact and robust
- Halogen free
- UV resistant

CLICK

**CLICK GEL CONNECTOR
a simple way
to bring indoor
connectors
outdoors**

Installation examples

CLICK
IP-68 PRE FILLED GEL CONNECTORS

CLICK-1

Product	Pieces	Color	Description	A x B x C (mm)
POD				30 x 27 x 23

IDEAL FOR (or similar):

2x2.5mm2   2x2.5mm2   3x2.5mm2   2x4mm2   3x4mm2

CLICK-2

Product	Pieces	Color	Description	A x B x C (mm)
POD				36 x 37 x 26

IDEAL FOR (or similar):

2x 4 mm2   3x 4 mm2   3x 1.5 mm2   2x + 2x 2.5 mm2   5x 2.5 mm2

CLICK-3

Product	Pieces	Color	Description	A x B x C (mm)
POD				30 x 42 x 26

IDEAL FOR (or similar):

3x 2.5 mm2   2x + 2x 2.5 mm2   5x 2.5 mm2   2x + 2x 4 mm2   5x 4 mm2

CLICK-4

Product	Pieces	Color	Description	A x B x C (mm)
POD				33 x 52 x 26

IDEAL FOR (or similar):

2x + 2x + 2x 2.5 mm2   2x + 2x + 2x 4 mm2

CLICK
IP-68 PRE FILLED GEL CONNECTORS

CLICK-5

Product	Pieces	Color	Description	A x B x C (mm)
POD				52 x 53 x 29

IDEAL FOR (or similar):

3x 6 mm2   3x 6 mm2

CLICK-6

Product	Pieces	Color	Description	A x B x C (mm)
POD				61 x 35 x 28

CLICK-7

Product	Pieces	Color	Description	A x B x C (mm)
POD				63 x 41 x 28

CLICK-4

CLICK-1

CLICK-5

CLICK-2

Gel

SNAP IT
IP-68 PRE FILLED GEL CONNECTORS

Electrical performance:
Testing under water head
of the accessory installed in a box

Operating temperature — 90°

Installation temperature: -40°C / +50°C

Fully submersible

Can be used underground

IP68
OFFICIALLY
TESTED

POD -SNAP IT ,Pre-filled gel connectors for sealing straight connections, for the protection, safety and covering of electrical connections using strip connectors or alternatives.

- To put household systems in order
- For civil and industrial connections
- Also for submersible use
- Non-toxic and with no shelf life
- Versatile and ready to use
- Designed with dimensions which is suitable for the most commonly used connectors

Gel

Extra flexible membranes

Safety closing system

Extra flexible membranes
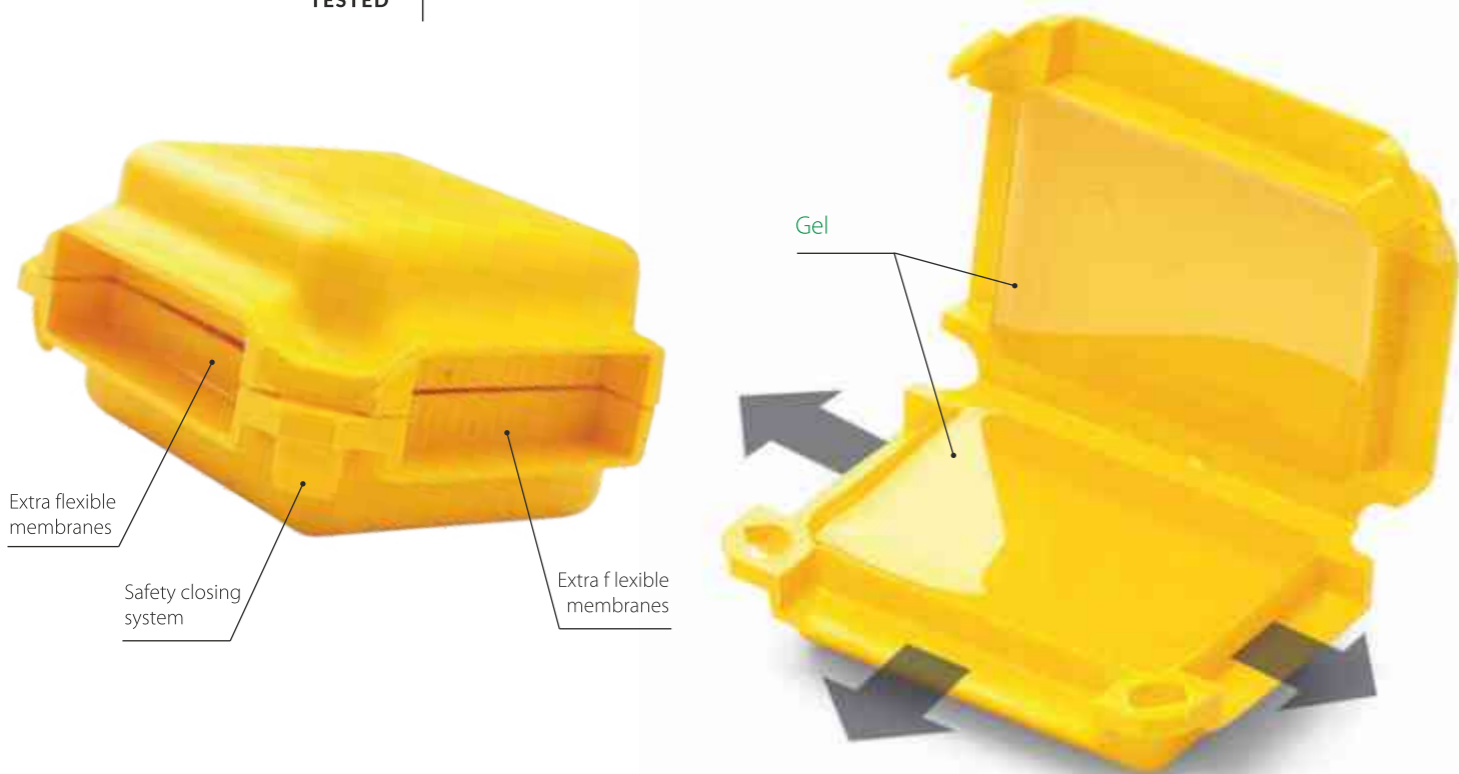
Configuration examples
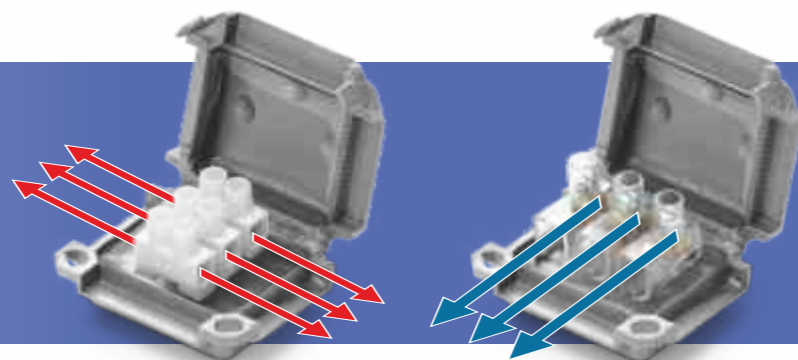
SNAP IT
IP-68 PRE FILLED GEL CONNECTORS

SNAP IT-1

Product	Packing/ Pieces	Color	Description	A x B x C (mm)
Snap It-1	10	/Clear	Box Pack	41 x 28 x 19

IDEAL FOR (or similar):

| 2x 2.5 mm2 | 2x 1.5 mm2 | 2x 2.5 mm2 | 3x 2.5 mm2 | 2x 4 mm2 | 3x 4 mm2 |
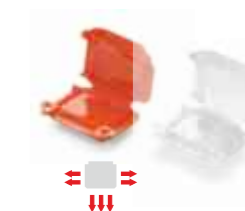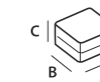
SNAP IT-2

Product	Packing/ Pieces	Color	Description	A x B x C (mm)
Snap It-2	10	/Clear	Box Pack	45 x 37 x 24

IDEAL FOR (or similar):

| 3x 2.5 mm2 | 3x 2.5 mm2 | 3x 2.5 mm2 | 2x + 2x 2.5 mm2 | 5x 2.5 mm2 | 3x 4 mm2 | 2x + 2x 4 mm2 | 5x 4 mm2 |
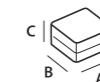
SNAP IT-3

Product	Packing/ Pieces	Color	Description	A x B x C (mm)
Snap It-3	10	/Clear	Box Pack	53 x 39 x 24

IDEAL FOR (or similar):

| 3x 4 mm2 | 3x 4 mm2 | 2x + 2x + 2x 2.5 mm2 | 2x + 2x + 2x 4 mm2 |
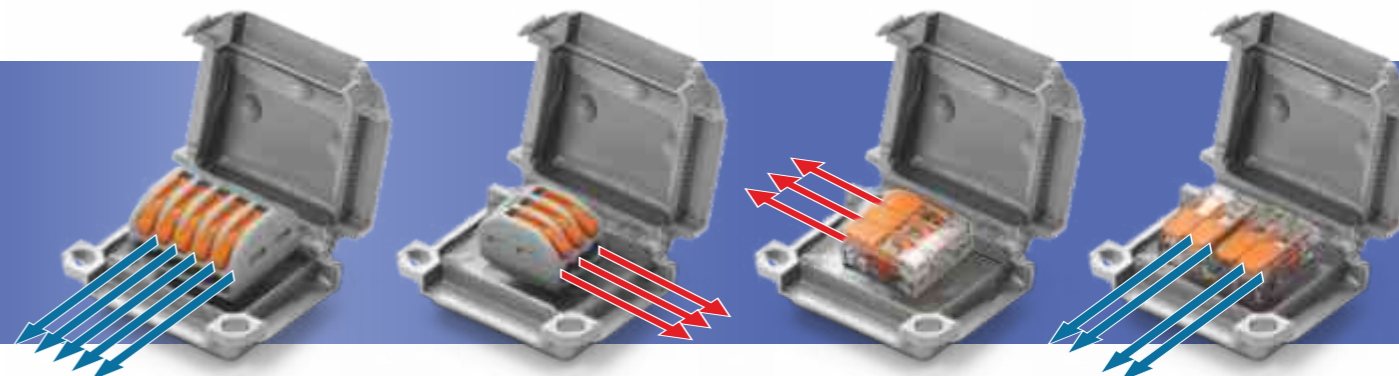
POD (IP68)
Gel Connectors also suitable for continuous submersible use

IP68 OFFICIALLY TESTED

Operating temperature

Installation temperature: -40°C / +50°C

Fully submersible

Can be used underground

Gel Connector

SNAP IT - GEL CONNECTORS

CLICK - GEL CONNECTORS

	Terminal blocks (chocolate block type)		End connectors/ terminal blocks
	2x	3x	3x
SNAP IT-1 41 x 28 x 19 mm	2,5 mm²		
SNAP IT-2 45 x 37 x 24 mm	2,5 mm²	2,5 mm²	2,5 mm²
SNAP IT-3 53 x 39 x 24 mm		4 mm²	4 mm²
CLICK-1 30 x 27 x 23 mm	2,5 mm²		
CLICK-2 36 x 37 x 26 mm	4 mm²	4 mm²	1,5 mm²
CLICK-3 30 x 42 x 26 mm			2,5 mm²
CLICK-4 33 x 52 x 26 mm			4 mm²
CLICK-5 52 x 53 x 29 mm			

First generation of lever connectors (e.g. WAGO 222 or similar)			Flat lever connectors (e.g. WAGO 221 type or similar)		
2x	3x	5x	2x	3x	5x

ENCAPSULED
P O D

IP-68 PRE FILLED GEL CONNECTORS

Applications:

Quick, Easy & Clean Joints for

Different Sizes for straight &
Branch Joints for 0.6/1 kV cables.

For Single or Multicore Cables of up to 5 core.

For Underground Wire and Cables, Including armoured
cables for Power, Telecom & Signalling.

Connections of Outdoor Equipments like Solar Panels
Motors/Pumps | CCTV's | Loud Speakers
Steam & Sauna Rooms etc.

Protection from:

Frost | Humidity | Steam | Salt Sea Water
Chlorine Water | Chemicals etc.

For many types of Industrial Applications.

Complete with screw connectors

Buffers Vibration and it is Flame Retardant.

Low Smoke and Toxic and corrosive gas emissions.

Re-accessible and with Unlimited Shelf Life.

Wide temperature range -40°c to 105°c.

SUPER SNAP
IP-68 PRE FILLED GEL CONNECTORS

Electrical performance:
Testing under water head
of the accessory installed in a box

No flame propagation:
Low smoke and toxic and
corrosive gas emissions

Operating
temperature **90°**

Installation temperature:
-40°C / +50°C

Fully submersible

Can be used underground

IP68
OFFICIALLY
TESTED

Range of fast gel pre-filled straight or branch type joints for 0.6/1 kV multi core cables of up to 5 conductors.

The combination of the primary insulation in a cross-linked polymer gel and the highly robust insulating plastic case makes this a Class 2 joint defined by CEI 64-8. The joint has been tested in accordance with the main international spécifications, with repeated flexing and torsion tests and immersion in water, it has been declared as conforming to the mechanical, electrical and sealing spécifications required for plastic cable accessories. The joint and its components have an unlimited shelf life, they are chemically inert and therefore completely safe; the connections are re-entrable even after long working periods. Made of self-extinguishing components the joint is flame retardant. For cables at 90°C working temperature.

- Complete with isolated terminal blocks
- For straight and branch connections
- For all types of application, including submersible
- Re-accessible and with no shelf life
- Flame retardant
- Non toxic and safe

Product	Cable formation and conductor cross sections (n° x mm2)			Ø max cables (mm)	A x B x C (mm)
	Straight Connections In line	Branch connections T	B		
Super Snap (3 Pin) 95 x 43 x 28	3 x 1,5 - 6	3 x 1,5 - 4	3 x 1,5 - 2,5	14	95 x 43 x 28

T : Through cable - B : Branch cable

Product	Cable formation and conductor cross sections (n° x mm2)			Ø max cables (mm)	A x B x C (mm)
	Straight Connections In line	Branch connections T	B		
Super Snap (5 Pin) 150 x 56 x 30	2 x 1,5 - 6	2 x 4	2 x 2,5	20,5	150 x 56 x 30
	3 x 1,5 - 6	3 x 4	3 x 2,5		
	4 x 1,5 - 6	4 x 4	4 x 2,5		
	5 x 1,5 - 6	5 x 4	5 x 2,5		

T : Through cable - B : Branch cable

Product	Cable formation and conductor cross sections (n° x mm2)			Ø max cables (mm)	A x B x C (mm)
	Straight Connections In line	Branch connections T	B		
Super Snap (5 Pin) 220 x 85 x 46	2 x 4 - 16	2 x 10	2 x 6	30	220 x 85 x 46
	3 x 4 - 16	3 x 10	3 x 6		
	4 x 4 - 16	4 x 10	4 x 6		
	5 x 4 - 16	5 x 10	5 x 6		

T : Through cable - B : Branch cable

Product	Cable formation and conductor cross sections (n° x mm2)			Ø max cables (mm)	A x B x C (mm)
	Straight Connections In line	Branch connections T	B		
Super Snap (4 Pin) 220 x 85 x 46	-	2 x 4 - 25	2 x 1,5 - 16	30	220 x 85 x 46
		3 x 4 - 25	3 x 1,5 - 16		
		4 x 4 - 25	4 x 1,5 - 16		

T : Through cable - B : Branch cable

Gel

Straight or branch joint pre-filled with gel, for multi core cables up to 4 cores.

Operating temperature 90°

Installation temperature: -40°C / +50°C

IP68
OFFICIALLY TESTED

RAPID CLICK
IP-68 PRE FILLED GEL CONNECTORS

Electrical performance:
Testing under water head of the accessory installed in a box

No flame propagation:
Low smoke and toxic and corrosive gas emissions

Operating temperature 90°

Installation temperature: -40°C / +50°C

Fully submersible

Can be used underground

IP68
OFFICIALLY TESTED

Radial closing gel pre-filled joint for extruded insulation cables up to 1 kV.

Primary insulation, consisting of a cross-linked polymer gel, and the exceptionally robust insulating plastic casing render Class 2 joints in accordance with the definitions contained in standard CEI 64-8. The joint has been tested in accordance with the main international specifications, with repeated flexing and torsion tests and immersion in water, and has been declared as conforming to the mechanical, electrical and sealing specifications required for plastic cable accessories. The joint and its components have an unlimited shelf life, are chemically inert and therefore completely safe. Conductor connections are re-enterable even after long periods of operation. Packaged with self-extinguishing material, flame retardant, for cables at 90°C working temperature. The radial closing system facilitates joint application, making them re-enterable only by means of a tool.

- For straight connections (in line)
- For multi core cables of up to 5 cores
- With suitable spacers
- For all types of application, including submersible
- Wide range of cable formations
- Re-enterable only by means of a tool
- Suitable for 3 core crossing
- Non-toxic, with no expiry date

Gel

"Self-centering" and "self-screwing" locking device

5 sector spacers

Cable glands complete of gasket

RAPID CLICK
IP-68 PRE FILLED GEL CONNECTORS

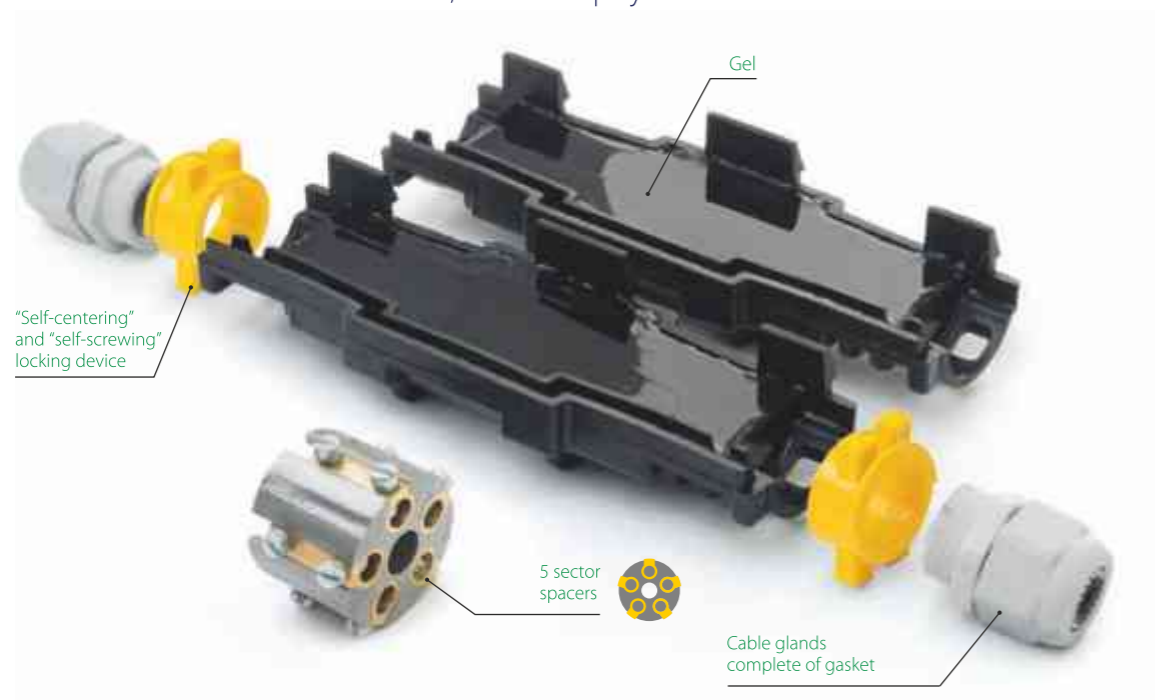| Product	Formation n°	Configuration IP68			Configuration IPX8			
		Section (mm2)	Øcable (mm)	A x B (mm)	Section (mm2)	Line Connections Cable formation and conductor cross sections (n° x mm2)	Øcable (mm)	A x B (mm)
Rapid Click L1, 5-IP68	⊙	4 - 25			1,5 - 50	2 x 1,5 - 6		
	⊕	1,5 - 6			1,5 - 6	3 x 1,5 - 6		
	⊗	1,5 - 2,5	8 - 13	155 x 55	1,5 - 6	4 x 1,5 - 6	20,5	105 x 55
	⊕	1,5			1,5 - 6	5 x 1,5 - 6		
	⊛	1,5			1,5 - 6			
Rapid Click 6-IP68	⊙	25 - 70			2,5 - 150	**Straight Connections** Cable formation and conductor cross sections (n° x mm2) 2 x 2,5 - 10		
	⊕	1,5 - 10			2,5 - 10	3 x 2,5 - 10		
	⊗	1,5 - 6	12 - 18	245 x 60	2,5 - 10	4 x 2,5 - 10	24	180 x 60
	⊕	1,5 - 6			2,5 - 10	5 x 2,5 - 10		
	⊛	1,5 - 6			2,5 - 10			
Rapid Click L10-IP68	⊙	70 - 95			120 - 240	**Straight Connections** Cable formation and conductor cross sections (n° x mm2) 2 x 10 - 25		
	⊕	10 - 16			4 - 25	3 x 10 - 25		
	⊗	6 - 10	16 - 20	275 x 65	4 - 25	4 x 10 - 25	31	210 x 65
	⊕	4 - 10			4 - 25	5 x 10 - 25		
	⊛	4 - 10			4 - 25			

For single core cable: do not install the separator with screw connectors and connect with crimp connector.

IP68
- Protection from the ingress of powders objects up to 1 mm diameter.
- Permanent water immersion.

IPX8
- Permanent water immersion.

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POD
IP-68 PRE FILLED GEL CONNECTORS

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POD
IP-68 PRE FILLED GEL CONNECTORS

RAPID CLICK
IP-68 PRE FILLED GEL CONNECTORS

RAPID CLICK

IPX8 straight joints for 0,6/1 kV extruded cable.

For COPPER cables Product	Cable formation and conductor cross sections (n° x mm2) 1x	2x	3x	4x	With optical fibre separator 4x	Dimensions A x B x C (mm)
Rapid Click L6	1,5 - 50	1,5 - 10	1,5 - 10	1,5 - 6	-	105 x 55
Rapid Click L10	2,5 - 150	2,5 - 25	2,5 - 16	2,5 - 16	-	180 x 60
Rapid Click L25	120 - 240	6 - 50	6 - 35	4 - 35	-	210 x 65
Rapid Click L95	185 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100
For ALUMINIUM cables	1x	2x	3x	4x	4x	(mm)
Rapid Click L 25	120 - 240	16 - 35	10 - 25	10 - 25	-	210 x 65
Rapid Click L 95	185 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100
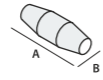
Electrical performance:
CEI EN 50393 with connectors complying with EN 61238-1 (with testing under water head and water between the cable cores) Class 2 in accordance with CEI 64-8.

RAPID CLICK S/ARM

For copper wire SCREENED cables Product	Cable formation and conductor cross sections (n° x mm2) 1x	2x	3x	4x	With optical fibre separator 4x	Dimensions A x B (mm)
Rapid Click L 10-S	2,5 - 120	2,5 - 10	2,5 - 10	2,5 - 10	-	180 x 60
Rapid Click L 25-S	120 - 185	16 - 25	10 - 25	10 - 25	-	210 x 65
Rapid Click L 95-S	240 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100
For copper tape ARMOURED cables	2x	3x	4x	4x	(mm)	
Rapid Click L 10-ARM	2,5 - 10	2,5 - 10	2,5 - 10	-	180 x 60	
Rapid Click L 25-ARM	16 - 25	10 - 25	10 - 25	-	210 x 65	
Rapid Click L 95-ARM	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100	
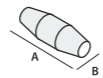
For screened or tape or wire armoured cables

Joint supplied with armour continuity device

RAPID CLICK LS

For copper wire SCREENED cables Product	Conductor sections cross (mm2)	With optical fibre separator 5x	7x	10x	12x	16x	19x	24x	40x	75x	100x	Dimensions A x B (mm)
Rapid Click-LS1	1,5	•	•	•	•	•	•					180 x 60
	2,5	•	•	•	•							
Rapid Click-LS2	1,5			•	•	•	•	•				210 x 65
	2,5				•	•	•	•				
Rapid Click-LS3	1,5					•	•	•	•	•	•	320 x 100
	2,5											
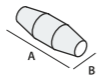
For signalling and control cables

RAPID CLICK **T**

Unscreened Product	SCREENED Product	N° pairs for conductor cross sections (n° x mm2)	Dimensions A x B (mm)
Rapid Click-T26	Rapid Click-TS26	(1 - 26) x (0,5 - 0,6)	180 x 60
Rapid Click-T61	Rapid Click-TS61	(30 + 1 - 64 + 1) x (0,5 - 0,6)	210 x 65
Rapid Click-T101	Rapid Click-TS101	(60 + 1 - 100 + 1) x (0,5 - 0,6)	320 x 100
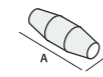
Straight joints for telephone cables
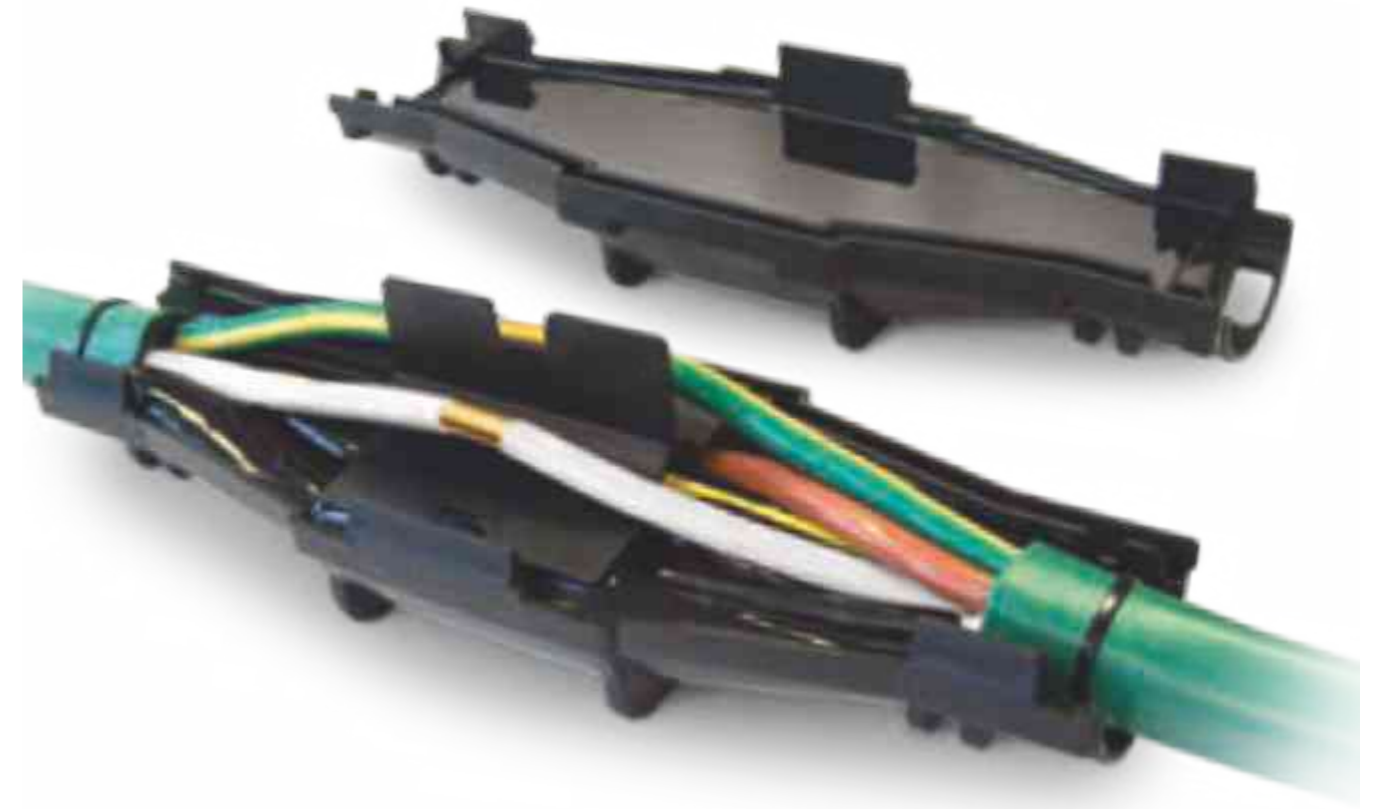
**FOR IP-68 PROTECTION USE
PRE FILLED GEL CONNECTORS**

ENCAPSULED

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IP-68 PRE FILLED GEL CONNECTORS

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IP-68 PRE FILLED GEL CONNECTORS
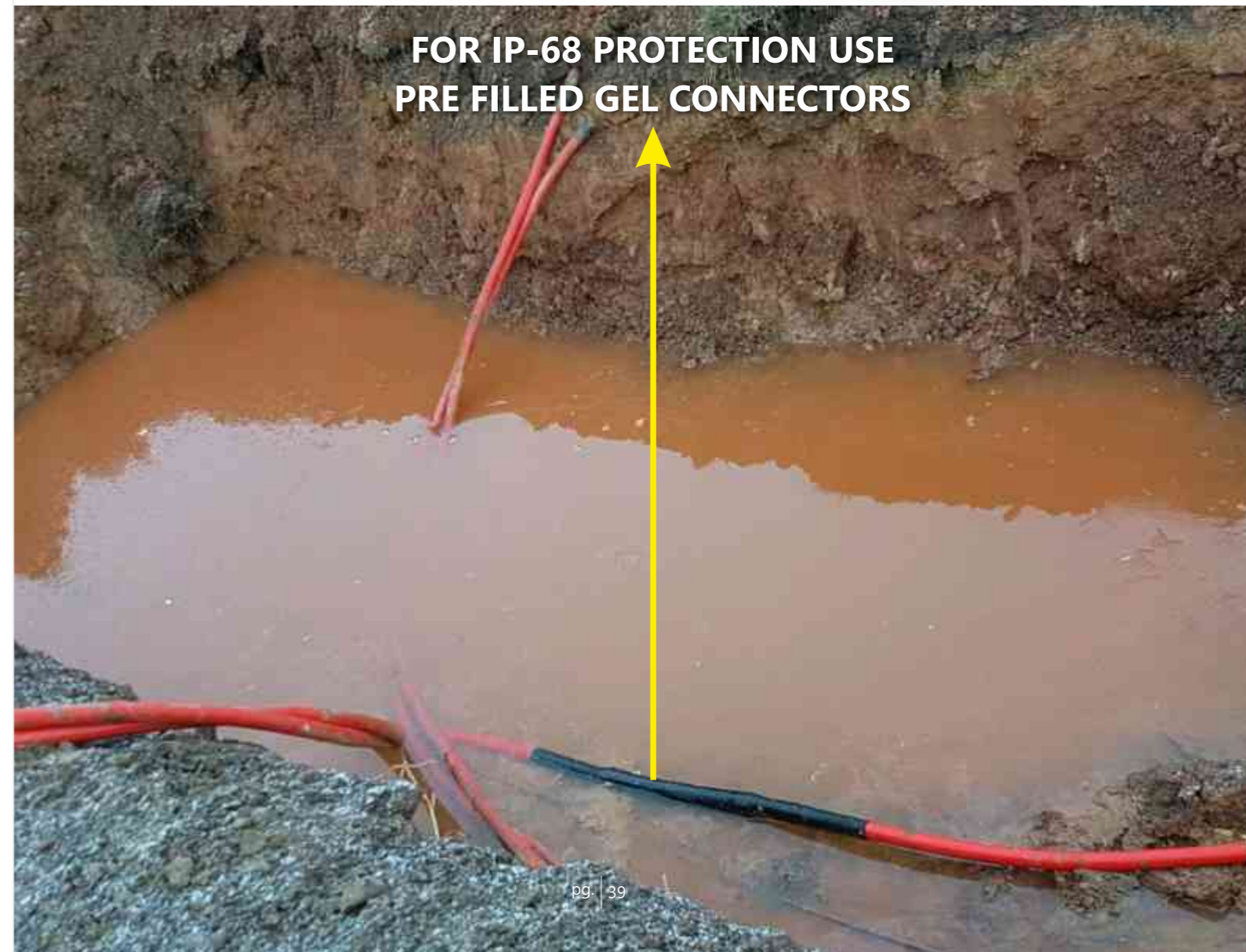
Applications

- ➤ Outdoor Lights, Street Lights, Garden Lights, Solar Lights, Pool Lights, Fountain Lights, Signages Etc.
- ➤ Can Be Utilized In Dali System Or In Dimmable Applications
- ➤ Outdoor Equipments, Motors, Pumps, Filters, CCTV, Loudspeakers, Solar-panels Etc.
- ➤ Industrial Applications
- ➤ Can Be Used In The Toughest Conditions For Power, Telecom & Signalling
- ➤ Applications In Underground, Buried Or Overhead Connections.

Features & Benefits

- ➤ Quick, Easy & Clean Sealing of Wire and Cable Joints.
- ➤ Reliable Protection Against Humidity & Water (Sea/Salt or Chlorine Water)
- ➤ Excellent Sealing From Water & Good Resistance to Chemical Agents
- ➤ High Insulation or Dielectric Strength : Min 1,0 Kv
- ➤ Unlimited Shelf Life.
- ➤ Made in Nylon Pa66 Self-extinguish , Halogen & Uv Resistance
- ➤ Gel is Latex Free and Flame Retardant.
- ➤ Can Work in Wide Temperature Ranging -40°c To 130°c
- ➤ IP 68 Insulation Class at 1 Metre to 3 Metres Depth.
- ➤ Straight and Branch Wire & Cable Connections.
- ➤ Series and Parallel Wire & Cable Connections.
- ➤ Keeps Wire Joints Corrosion Free From Frost, Humid & Steam.
- ➤ Frost, Humid & Steam Protection System.

Who can be the Users:-

- ➤ **Defence and Border Security Forces**
- ➤ **Airports**
- ➤ **Railways & Metros**
- ➤ **Municipal Corporations**
- ➤ **Central & State Public Works Department (CPWD, PWD)**
- ➤ **State Electricity Boards**
- ➤ **Civil & Electrical Engineers**
- ➤ Power & Engineering Departments
- ➤ Electrical Consultants
- ➤ Lighting Consultants
- ➤ Landscape Design Consultants

- ➤ Marine Consultants
- ➤ Electrical Contractors
- ➤ Industrial Buyers.
- ➤ Project Developers
- ➤ OEM'S
- ➤ Renewable Energies (solar Etc)
- ➤ Building Maintenance Professionals
- ➤ Building Planners and Architects
- ➤ Electrical Traders and Distributors
- ➤ Large Facilities (Hotels, Malls, Hospitals & Offices)
- ➤ Electrical and Lighting Shops