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INDUSTRIAL PLUGS AND SOCKETS

1

MAIN TECHNICAL FEATURES

Material: made of polyamide tecnopolymer with high resistance to UV rays for plastics parts, copper-zinc alloy with high electric capacity for contacts, beryllium copper alloy for the contacts of the sockets to 63 and 125A with lamellar springs system for optimal contact (minimum 10 points of contact).
Halogen free: plastic materials resistant to acidic and basic chemicals free from Cadmium and halogens.
Nickel-plated contacts for excellent abrasion resistance and corrosion applications in aggressive environments (eg marine environment, acid fumes, zootechnics, cheese factories) on 63 and 125A.
Snap-in assembly and cable retainer system without screws: save time.
Open connection contacts: fast wiring.
Shock resistance: IK08 (up to 5J).
Protection degree IP44 or IP67.
Resistance to abnormal heat: up to 650/850 °C (Glow Wire Test, Reference Standard IEC 60695-2-11).
Operating temperature: minimum –25°, maximum +40° C according EN 60309 Standard.
ELETTROCANALI plugs and sockets can operate with maximum temperature of +80 ° C (+100 ° C for 1 hour).
Supplementary pilot contact to make the electrical interlock on models with nominal current of 63 and 125A.
Reference standards: EN 60309-1, EN 60309-2, EN 60309-4, EN 60529, EN 50102, EN 60947-3.
Products meeting the essential requirements of L.V.D. 2014/35/UE.
Products in compliance with RoHS II - 2011/65/UE directive.

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Phase inverter
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Wall mounting inclined
box sockets
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Interlocked horizontal
sockets without fuse holder
- without wall base
- with wall base
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Interlocked horizontal
sockets with fuse holder
- without wall base
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Interlocked vertical
sockets without
fuse holder
- without wall base
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Interlocked vertical
sockets with fuse
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Wall mounting
emergency push-
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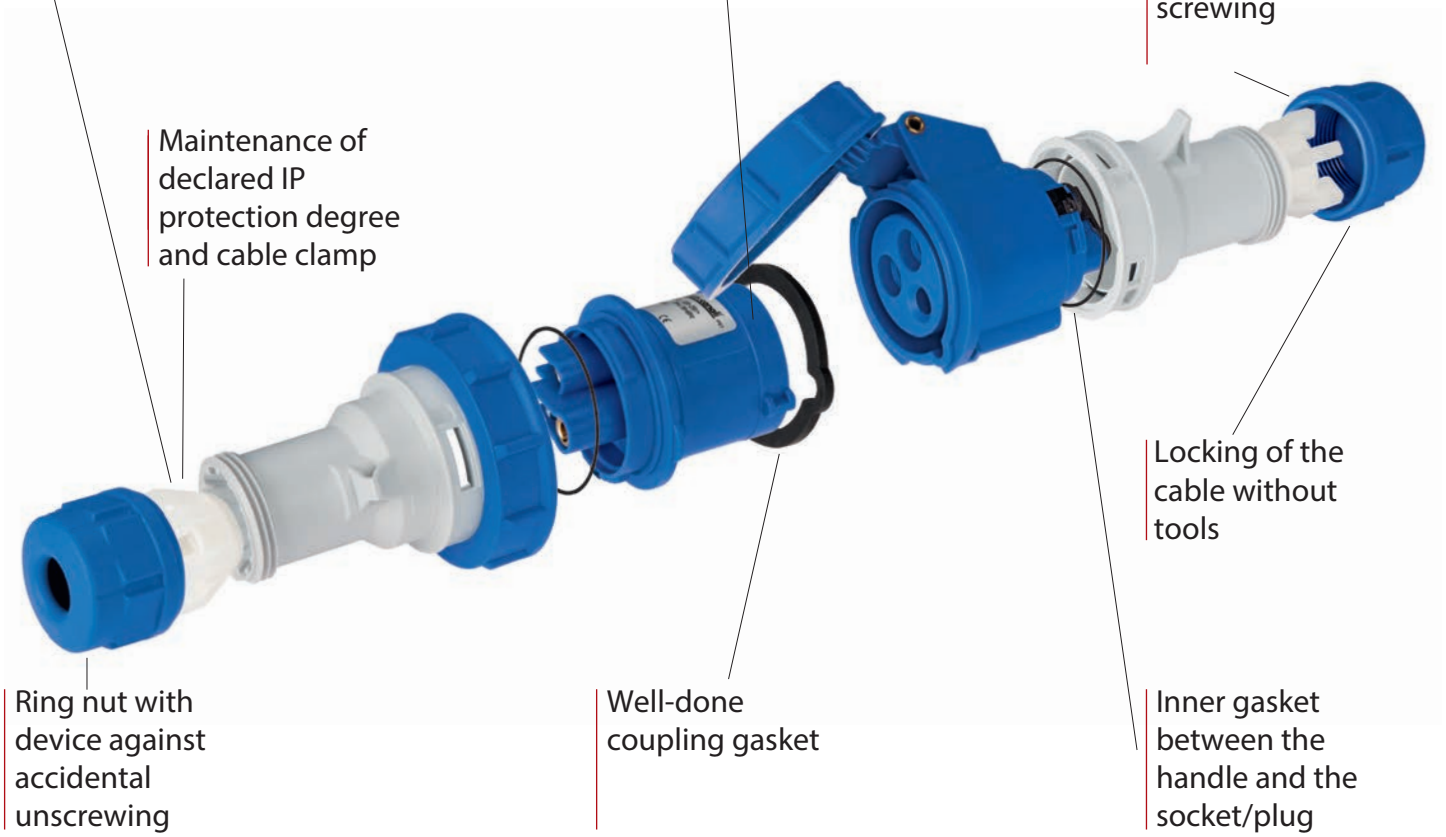
MAIN TECHNICAL FEATURES

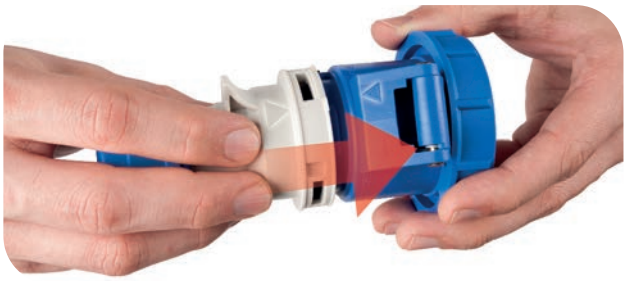


The sockets and the plugs of the Series 690 are very quick to open, cable and closed thanks to their ergonomical design combined with some up-dated technical solutions.
They are entirely made up of UV-resistant self-extinguishing 6 polyamide and are particularly suitable for outdoor uses thanks to their high resistance to compression, shocks and crushes that can occur, for example, on construction sites.

The contacts are made of brass alloy with high conductivity of 15 m / (Ohm mm^2) and the conductive parts of the 63A/125A sockets have got a spring device made up of copper-beryllium alloy which guarantees a better contact and prevents from corrosion.
The IP protection degree and the the cable locking are carried out through the tulip-shaped one-piece device made of two different types of polymer, which are co-moulded: it is simply necessary to insert the cable and tighten the nut until it locks.
The cable gland is characterized by a special unscrewing device that prevents any accidental release of the clamp; besides it doesn't get lost during the wiring operations.

MAIN TECHNICAL FEATURES

The open/closed positions are indicated on the plug or socket with reference to the handle



The locking and unlocking occur max in 30 ° and are clearly indicated by the references

Effective and reliable locking and unlocking system

To close the socket or plug just turn the handle, use a screwdriver to open it again

The terminal screws are oriented in the same direction for fast wiring

The terminal screws can be are tightened with any screwdriver

The peculiarity of the sockets and plugs of the Series 690 is given by the fact they can be assembled in a simple reliable quick way.
The bodies of plugs and sockets have two engraved arrows indicating open/closed position. These arrows must be placed in correspondence with the reference placed on the handle to determine its location.

In this way the plug/socket can be easily closed thanks to the reference simply by a 30° rotation. The proper reference and the click of the gland indicate that the plug/sockets is closed.
The terminal screws are not tightened, the insertion of the wires is instant, simple and easy, thanks to the large free space and the absence of devices in front of the terminals.

Thanks to the fact that all the screws are oriented in the same direction thay can be immediately tightened wthout turning the plug/socket.
The plug/socket can be opened simply by unocking the clamp on the handle by a proper tool and rotating the handle by 30°.

mounting examples

GIRAD FRACCARO
CARPMETAL
Mazak
MAZATROL 640
Mazak
MULTI MAKER 2500
ARP 2

QUICK ASSEMBLY STRAIGHT PLUGS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Straight industrial plugs according to the Standard EN 60309.
- In currents of 16 and 32 A.
- Protection degree IP44.
- Fast assembly without tools, screw terminals.
- Resistance to chimical or atmosperic agents.

CE

IP44

Quick assembly straight plugs - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69470		2P	20-25 V~	without reference	10/80
EC69471		3P	20-25 V~	without reference	10/80
EC69170		2P+⏚	100-130 V~	4	10/80
EC69171		3P+⏚	100-130 V~	4	10/80
EC69070		2P+⏚	200-250 V~	6	10/80
EC69270		3P+⏚	200-250 V~	9	10/80
EC69271		3P+N+⏚	208-250 V~	9	10/80
EC69072		3P+⏚	380-415 V~	6	10/80
EC69074		3P+N+⏚	346-415 V~	6	10/80

Quick assembly straight plugs - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69172		2P+⏚	100-130 V~	4	10/80
EC69173		3P+⏚	100-130 V~	4	10/80
EC69272		2P+⏚	200-250 V~	6	10/80
EC69273		3P+⏚	200-250 V~	9	10/80
EC69076		3P+⏚	380-415 V~	6	10/80
EC69078		3P+N+⏚	346-415 V~	6	10/60

EC69170

EC69070

EC69072

QUICK ASSEMBLY STRAIGHT PLUGS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Straight industrial plugs according to the Standard EN 60309.
- In currents of 16, 32, 63 and 125 A.
- Protection degree IP67.
- Fast assembly without tools, screw terminals.
- Resistance to chimical or atmosperic agents.

CE

IP67

Quick assembly straight plugs - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69472*		2P	20-25V~	without reference	10/80
EC69473*		3P	20-25V~	without reference	10/60
EC69174		2P+⏚	100-130 V~	4	10/80
EC69175		3P+⏚	100-130 V~	4	10/60
EC69071		2P+⏚	200-250 V~	6	10/80
EC69274		3P+⏚	200-250 V~	9	10/60
EC69275		3P+N+⏚	208-250 V~	9	10/40
EC69073		3P+⏚	380-415 V~	6	10/60
EC69075		3P+N+⏚	346-415 V~	6	10/60

Quick assembly straight plugs - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69176		2P+⏚	100-130 V~	4	10/40
EC69177		3P+⏚	100-130 V~	4	10/40
EC69276		2P+⏚	200-250 V~	6	10/40
EC69277		3P+⏚	200-250 V~	9	10/40
EC69077		3P+⏚	380-415 V~	6	10/40
EC69079		3P+N+⏚	346-415 V~	6	10/40

Quick assembly straight plugs - EN 60309 - In 63A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69278		2P+⏚	200-250 V~	6	2/16
EC69279		3P+⏚	200-250 V~	9	2/16
EC69370		3P+⏚	380-415 V~	6	2/16
EC69371		3P+N+⏚	346-415 V~	6	2/16

Quick assembly straight plugs - EN 60309 - In 125A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69671		2P+⏚	200-250 V~	6	2/8
EC69674		3P+⏚	200-250 V~	9	2/8
EC69673		3P+⏚	380-415 V~	6	2/8
EC69675		3P+N+⏚	346-415 V~	6	2/8

*** item available on request**

EC69174

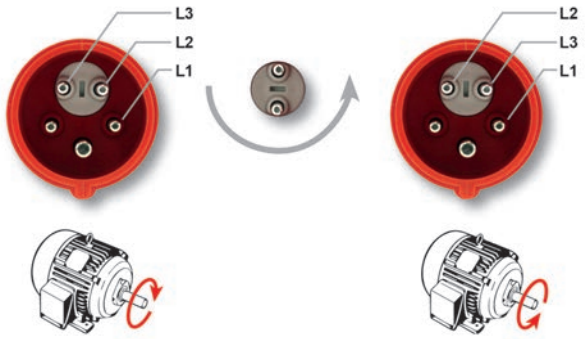
EC69071

EC69073

PHASE INVERTER PLUGS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Phase inverter industrial plugs according to the Standard EN 60309.
- Phase reversing device with screwdriver drive.
- In currents of 16, 32, 63 and 125 A.
- Protection degree IP44/ IP67.
- Fast assembly without tools, screw terminals.
- Resistance to chimical or atmosperic agents.



CE

IP44
IP67

Phase inverter plugs - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69072P	■	3P+⏚	380-415 V~	6	10
EC69074P	■	3P+N+⏚	346-415 V~	6	10

Phase inverter plugs - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69076P	■	3P+⏚	380-415 V~	6	10
EC69078P	■	3P+N+⏚	346-415 V~	6	10

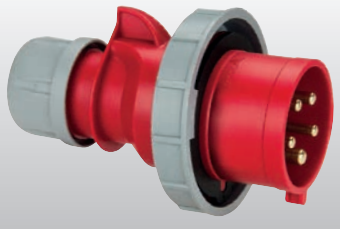
Phase inverter plugs - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69073P	■	3P+⏚	380-415 V~	6	10
EC69075P	■	3P+N+⏚	346-415 V~	6	10

Phase inverter plugs - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69077P	■	3P+⏚	380-415 V~	6	10
EC69079P	■	3P+N+⏚	346-415 V~	6	10

EC69074P



EC69075P

SOLID RUBBER PLUGS AND SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Solid rubber plugs and sockets for severe conditions.
- Austrian/German and Belgian/French Systems.
- Black colour.
- In currents of 16 A.
- Protection degree IP20/ IP44.
- Fast assembly without tools, screw terminals.
- Resistance to chimical or atmosperic agents.

CE

IP20
IP44

Solid rubber plugs - german system - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	TYPE	PACKAGING PIECES
EC6902D	■	2P+⏚	200-250 V~	90° Angled plug	20
EC6903D	■	2P+⏚	200-250 V~	Straight plug	20

Solid rubber plugs - french system - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	TYPE	PACKAGING PIECES
EC6902F	■	2P+⏚	200-250 V~	90° Angled plug	20
EC6903F	■	2P+⏚	200-250 V~	Straight plug	20

Solid rubber sockets - german system - In 16A - IP20 / IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	TYPE	PACKAGING PIECES
EC6906D	■	2P+⏚	200-250 V~	IP20	20
EC6907D	■	2P+⏚	200-250 V~	IP44 (with cap)	20

Solid rubber sockets - french system - In 16A - IP20 / IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	TYPE	PACKAGING PIECES
EC6906F	■	2P+⏚	200-250 V~	IP20	20
EC6907F	■	2P+⏚	200-250 V~	IP44 (with cap)	20

EC6902D

EC6903D

EC6906D

EC6907D

QUICK ASSEMBLY STRAIGHT SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Straight industrial plugs according to the Standard EN 60309.
- In currents of 16 and 32 A.
- Protection degree IP44.
- Stainless steel springs for lid closing.
- Fast assembly without tools.
- Screw terminals.
- Resistance to chemical or atmospheric agents.

CE

IP44

Quick assembly straight sockets - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69480		2P	20-25 V~	without reference	10/80
EC69481		3P	20-25 V~	without reference	10/80
EC69180		2P+⏚	100-130 V~	4	10/80
EC69181		3P+⏚	100-130 V~	4	10/80
EC69080		2P+⏚	200-250 V~	6	10/80
EC69280		3P+⏚	200-250 V~	9	10/80
EC69281		3P+N+⏚	208-250 V~	9	10/80
EC69082		3P+⏚	380-415 V~	6	10/80
EC69084		3P+N+⏚	346-415 V~	6	10/80

Quick assembly straight sockets - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69182		2P+⏚	100-130 V~	4	10/60
EC69183		3P+⏚	100-130 V~	4	10/60
EC69282		2P+⏚	200-250 V~	6	10/60
EC69283		3P+⏚	200-250 V~	9	10/60
EC69086		3P+⏚	380-415 V~	6	10/60
EC69088		3P+N+⏚	346-415 V~	6	10/40

EC69180

EC69080

EC69082

QUICK ASSEMBLY STRAIGHT SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Straight industrial plugs according to the Standard EN 60309.
- In currents of 16, 32, 63 and 125 A.
- Protection degree IP67.
- Stainless steel springs for lid closing.
- Fast assembly without tools.
- Screw terminals.
- Resistance to chemical or atmospheric agents.

CE

IP67

Quick assembly straight sockets - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69482*		2P	20-25V~	without reference	10/80
EC69483*		3P	20-25V~	without reference	10/60
EC69184		2P+⏚	100-130 V~	4	10/80
EC69185		3P+⏚	100-130 V~	4	10/60
EC69081		2P+⏚	200-250 V~	6	10/80
EC69284		3P+⏚	200-250 V~	9	10/60
EC69285		3P+N+⏚	208-250 V~	9	10/40
EC69083		3P+⏚	380-415 V~	6	10/60
EC69085		3P+N+⏚	346-415 V~	6	10/40

Quick assembly straight sockets - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69186		2P+⏚	100-130 V~	4	10/60
EC69187		3P+⏚	100-130 V~	4	10/60
EC69286		2P+⏚	200-250 V~	6	10/60
EC69287		3P+⏚	200-250 V~	9	10/60
EC69087		3P+⏚	380-415 V~	6	10/40
EC69089		3P+N+⏚	346-415 V~	6	10/40

Quick assembly straight sockets - EN 60309 - In 63A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69288		2P+⏚	200-250 V~	6	2/16
EC69289		3P+⏚	200-250 V~	9	2/16
EC69380		3P+⏚	380-415 V~	6	2/16
EC69381		3P+N+⏚	346-415 V~	6	2/16

Quick assembly straight sockets - EN 60309 - In 125A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69681		2P+⏚	200-250 V~	6	2/8
EC69684		3P+⏚	200-250 V~	9	2/8
EC69683		3P+⏚	380-415 V~	6	2/8
EC69685		3P+N+⏚	346-415 V~	6	2/8

*** item available on request**

EC69186

EC69286

EC69087

PANEL MOUNTING INCLINED SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial sockets according to the Standard EN 60309.
- In currents of 16 and 32 A.
- Protection degree IP44.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Gaskets included
- It is recommended fixing with self-tapping screws 3.5 x16 or 4x20 (not included).

CE

IP44

Sockets on support with door - centre hole distance 60x60 mm, In 10/16A - IP55 (with closed door)

ITEM	TYPE	POLES	NOMINAL VOLTAGE	STANDARD	PACKAGING PIECES
EC69056		2P+⏚	200-250 V~	SCHUKO/ITALIAN	1/30
EC69056F		2P+⏚	200-250 V~	FRENCH	1/30
EC69057		EMPTY BOX	200-250 V~	FOR GW TYPE	1/30

Straight panel mounting sockets - In 16A - IP54 - Flange 50x50 mm (co-moulded gasket)

ITEM	TYPE	POLES	NOMINAL VOLTAGE	STANDARD	PACKAGING PIECES
EC690514		2P+⏚	200-250 V~	FRENCH	100
EC690515		2P+⏚	200-250 V~	GERMAN	100

20° inclined panel mounting sockets - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69400		2P	20-25 V~	without reference	10/80
EC69401		3P	20-25 V~	without reference	10/80
EC69100		2P+⏚	100-130 V~	4	10/80
EC69101		3P+⏚	100-130 V~	4	10/80
EC69050		2P+⏚	200-250 V~	6	10/80
EC69250		3P+⏚	200-250 V~	9	10/80
EC69251		3P+N+⏚	208-250 V~	9	10/60
EC69052		3P+⏚	380-415 V~	6	10/80
EC69054		3P+N+⏚	346-415 V~	6	10/60

20° inclined panel mounting sockets - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69102		2P+⏚	100-130 V~	4	10/60
EC69103		3P+⏚	100-130 V~	4	10/60
EC69252		2P+⏚	200-250 V~	6	10/60
EC69253		3P+⏚	200-250 V~	9	10/60
EC69060		3P+⏚	380-415 V~	6	10/60
EC69061		3P+N+⏚	346-415 V~	6	10/60

EC69056

EC690514

EC69100

EC69050

EC69052

PANEL MOUNTING INCLINED SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial sockets according to the Standard EN 60309.
- In currents of 16, 32, 63 and 125 A.
- Protection degree IP67.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Gaskets included
- It is recommended fixing with self-tapping screws 3.5 x16 or 4x20 (not included).

CE

IP67

20° inclined panel mounting sockets - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69402*		2P	20-25V~	without reference	10/80
EC69403*		3P	20-25V~	without reference	10/80
EC69104		2P+⏚	100-130 V~	4	10/80
EC69105		3P+⏚	100-130 V~	4	10/80
EC69051		2P+⏚	200-250 V~	6	10/80
EC69254		3P+⏚	200-250 V~	9	10/80
EC69255		3P+N+⏚	208-250 V~	9	10/60
EC69053		3P+⏚	380-415 V~	6	10/80
EC69055		3P+N+⏚	346-415 V~	6	10/60

20° inclined panel mounting sockets - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69106		2P+⏚	100-130 V~	4	10/80
EC69107		3P+⏚	100-130 V~	4	10/60
EC69256		2P+⏚	200-250 V~	6	10/80
EC69257		3P+⏚	200-250 V~	9	10/60
EC69058		3P+⏚	380-415 V~	6	10/40
EC69059		3P+N+⏚	346-415 V~	6	10/40

15° inclined panel mounting sockets - EN 60309 - In 63 - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69258		2P+⏚	200-250 V~	6	2/16
EC69259		3P+⏚	200-250 V~	9	2/16
EC69350		3P+⏚	380-415 V~	6	2/16
EC69351		3P+N+⏚	346-415 V~	6	2/16

15° inclined panel mounting sockets - EN 60309 - In 125A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69651		2P+⏚	200-250 V~	6	2/8
EC69654		3P+⏚	200-250 V~	9	2/8
EC69653		3P+⏚	380-415 V~	6	2/8
EC69655		3P+N+⏚	346-415 V~	6	2/8

*** item available on request**

EC69106

EC69256

EC69059

WALL MOUNTING INCLINED BOX SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES::

- 20° Inclined industrial sockets according to the Standard EN 60309.
- Wall mounting inclined box, ready for conduit Ø 20 or 25 mm
- In currents of 16 and 32 A.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Dimensions 90x128x92,5 (WxHxD) mm.

CE

IP44

Wall mounting inclined box sockets - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC694001		2P	20-25 V~	without reference	12
EC694011		3P	20-25 V~	without reference	12
EC691001		2P+⏚	100-130 V~	4	12
EC691011		3P+⏚	100-130 V~	4	12
EC690501		2P+⏚	200-250 V~	6	12
EC692501		3P+⏚	200-250 V~	9	12
EC690521		3P+⏚	380-415 V~	6	12
EC690541		3P+N+⏚	346-415 V~	6	12

Wall mounting inclined box sockets - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691021		2P+⏚	100-130 V~	4	12
EC691031		3P+⏚	100-130 V~	4	12
EC692521		2P+⏚	200-250 V~	6	12
EC692531		3P+⏚	200-250 V~	9	12
EC690561		3P+⏚	380-415 V~	6	12
EC690581		3P+N+⏚	346-415 V~	6	12

EC691001

EC690501

EC690521

WALL MOUNTING INCLINED BOX SOCKETSTO **SERIE 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial sockets according to the Standard EN 60309.
- Wall mounting inclined box, ready for conduit Ø 20 or 25 mm
- In currents of 16, 32 and 63 A.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Dimensions 90x128x92,5 (WxHxD) mm.

CE

IP67

Wall mounting inclined box sockets - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC694021*		2P	20-25V~	without reference	12
EC694031*		3P	20-25V~	without reference	12
EC691041		2P+⏚	100-130 V~	4	12
EC691051		3P+⏚	100-130 V~	4	12
EC690511		2P+⏚	200-250 V~	6	12
EC692541		3P+⏚	200-250 V~	9	12
EC690531		3P+⏚	380-415 V~	6	12
EC690551		3P+N+⏚	346-415 V~	6	12

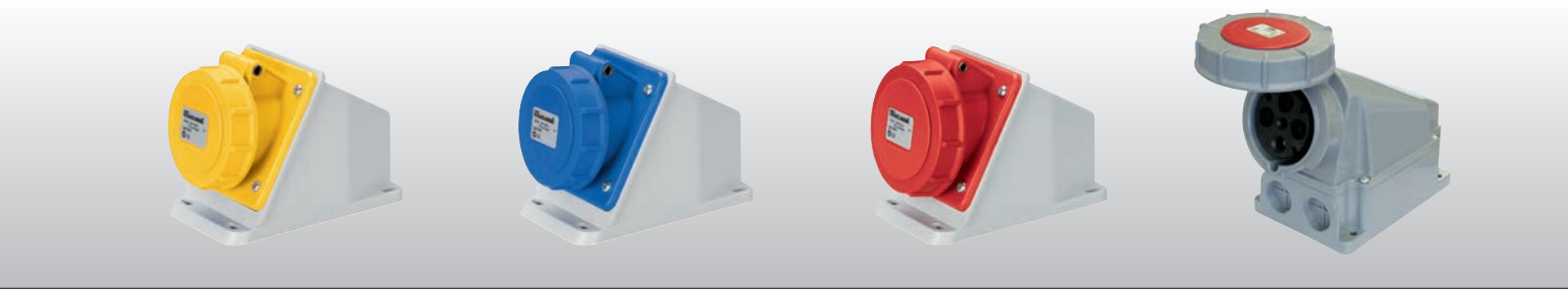
Wall mounting inclined box sockets - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691061		2P+⏚	100-130 V~	4	12
EC691071		3P+⏚	100-130 V~	4	12
EC692561		2P+⏚	200-250 V~	6	12
EC692571		3P+⏚	200-250 V~	9	12
EC690571		3P+⏚	380-415 V~	6	12
EC690591		3P+N+⏚	346-415 V~	6	12

Wall mounting inclined box sockets - EN 60309 - In 63A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692581		2P+⏚	200-250 V~	6	2
EC692591		3P+⏚	200-250 V~	9	2
EC693501		3P+⏚	380-415 V~	6	2
EC693511		3P+N+⏚	346-415 V~	6	2

*** item available on request**



EC691041 **EC690511** **EC690531** **EC693501**

WALL MOUNTING STRAIGHT BOX SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial sockets according to the Standard EN 60309.
- Wall mounting straight box, ready for conduit Ø 20 or 25 mm.
- In currents of 16 and 32 A.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Dimensions 96x96x70 (WxHxD) mm.

CE

IP44

Wall mounting straight box sockets - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC694001D		2P	20-25 V~	without reference	12
EC694011D		3P	20-25 V~	without reference	12
EC691001D		2P+⏚	100-130 V~	4	12
EC691011D		3P+⏚	100-130 V~	4	12
EC690501D		2P+⏚	200-250 V~	6	12
EC692501D		3P+⏚	200-250 V~	9	12
EC690521D		3P+⏚	380-415 V~	6	12
EC690541D		3P+N+⏚	346-415 V~	6	12

Wall mounting straight box sockets - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691021D		2P+⏚	100-130 V~	4	12
EC691031D		3P+⏚	100-130 V~	4	12
EC692521D		2P+⏚	200-250 V~	6	12
EC692531D		3P+⏚	200-250 V~	9	12
EC690561D		3P+⏚	380-415 V~	6	12
EC690581D		3P+N+⏚	346-415 V~	6	12

EC691001D

EC690501D

EC690521D

WALL MOUNTING STRAIGHT BOX SOCKETS **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial sockets according to the Standard EN 60309.
- Wall mounting straight box, ready for conduit Ø 20 or 25 mm.
- In currents of 16 and 32 A.
- Resistance to chemical or atmospheric agents.
- Stainless steel springs for lid closing.
- Dimensions 96x96x70 (WxHxD) mm.

CE

IP67

Wall mounting straight box sockets - EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC694021D*		2P	20-25V~	without reference	12
EC694031D*		3P	20-25V~	without reference	12
EC691041D		2P+⏚	100-130 V~	4	12
EC691051D		3P+⏚	100-130 V~	4	12
EC690511D		2P+⏚	200-250 V~	6	12
EC692541D		3P+⏚	200-250 V~	9	12
EC690531D		3P+⏚	380-415 V~	6	12
EC690551D		3P+N+⏚	346-415 V~	6	12

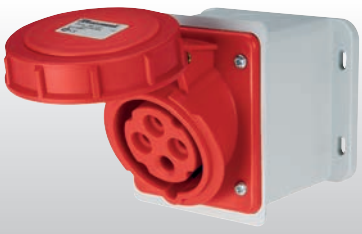
Wall mounting straight box sockets - EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691061D		2P+⏚	100-130 V~	4	12
EC691071D		3P+⏚	100-130 V~	4	12
EC692561D		2P+⏚	200-250 V~	6	12
EC692571D		3P+⏚	200-250 V~	9	12
EC690571D		3P+⏚	380-415 V~	6	12
EC690591D		3P+N+⏚	346-415 V~	6	12

*** item available on request**

EC691041D

EC690511D



EC690531D

HORIZONTAL INTERLOCKED SOCKETS WITHOUT WALL BASE **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to the Standard EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A.
- Lockable handle in ON or OFF positions.
- Stainless steel springs for lid closing.
- Dimensions 155x115x23 (WxHxD) mm. Mounting distance 138x98 mm.

CE

IP44
IP65

Horizontal interlocked sockets without wall base - EN 60309- In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69190		2P+⏚	100-130 V~	4	1/24
EC69090		2P+⏚	200-250 V~	6	1/24
EC69290		3P+⏚	200-250 V~	9	1/24
EC69092		3P+⏚	380-415 V~	6	1/24
EC69094		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets without wall base - EN 60309- In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69292		2P+⏚	200-250 V~	6	1/24
EC69293		3P+⏚	200-250 V~	9	1/24
EC69096		3P+⏚	380-415 V~	6	1/24
EC69098		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets without wall base - EN 60309- In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69194		2P+⏚	100-130 V~	4	1/24
EC69091		2P+⏚	200-250 V~	6	1/24
EC69294		3P+⏚	200-250 V~	9	1/24
EC69093		3P+⏚	380-415 V~	6	1/24
EC69095		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets without wall base - EN 60309- In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69296		2P+⏚	200-250 V~	6	1/24
EC69297		3P+⏚	200-250 V~	9	1/24
EC69097		3P+⏚	380-415 V~	6	1/24
EC69099		3P+N+⏚	346-415 V~	6	1/24

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EC69190

EC69090

EC69092

HORIZONTAL INTERLOCKED SOCKETS WITH WALL BASE **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A.
- Stainless steel springs for lid closing.
- Dimensions 155x115x78 (WxHxD) mm.

CE

IP44
IP65

Horizontal interlocked sockets with wall base - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691901		2P+⏚	100-130 V~	4	1/24
EC690901		2P+⏚	200-250 V~	6	1/24
EC692901		3P+⏚	200-250 V~	9	1/24
EC690921		3P+⏚	380-415 V~	6	1/24
EC690941		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets with wall base - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692921		2P+⏚	200-250 V~	6	1/24
EC692931		3P+⏚	200-250 V~	9	1/24
EC690961		3P+⏚	380-415 V~	6	1/24
EC690981		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets with wall base - EN 60309 - In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691941		2P+⏚	100-130 V~	4	1/24
EC690911		2P+⏚	200-250 V~	6	1/24
EC692941		3P+⏚	200-250 V~	9	1/24
EC690931		3P+⏚	380-415 V~	6	1/24
EC690951		3P+N+⏚	346-415 V~	6	1/24

Horizontal interlocked sockets with wall base - EN 60309 - In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692961		2P+⏚	200-250 V~	6	1/24
EC692971		3P+⏚	200-250 V~	9	1/24
EC690971		3P+⏚	380-415 V~	6	1/24
EC690991		3P+N+⏚	346-415 V~	6	1/24

EC691901

EC690901

EC690921

HORIZONTAL INTERLOCKED SOCKETS WITHOUT WALL BASE - FUSE HOLDER **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A - Gg 10,3x38 mm fuse type (not included).
- LED light indicator for blown fuse
- Lockable handle in ON or OFF positions.
- Stainless steel springs for lid closing.
- Dimensions 196x145x25 (WxHxD) mm. - Mounting distance 177x122 mm.

LED light indicator for blown fuse

IP44
IP65

Horizontal interlocked sockets without wall base - fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69190F		2P+⏚	100-130 V~	4	1/10
EC69090F		2P+⏚	200-250 V~	6	1/10
EC69290F		3P+⏚	200-250 V~	9	1/10
EC69092F		3P+⏚	380-415 V~	6	1/10
EC69094F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets without wall base - fuse holder - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69292F		2P+⏚	200-250 V~	6	1/10
EC69293F		3P+⏚	200-250 V~	9	1/10
EC69096F		3P+⏚	380-415 V~	6	1/10
EC69098F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets without wall base - fuse holder - EN 60309 - In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69194F		2P+⏚	100-130 V~	4	1/10
EC69091F		2P+⏚	200-250 V~	6	1/10
EC69294F		3P+⏚	200-250 V~	9	1/10
EC69093F		3P+⏚	380-415 V~	6	1/10
EC69095F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets without wall base - fuse holder - EN 60309 - In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC69296F		2P+⏚	200-250 V~	6	1/10
EC69297F		3P+⏚	200-250 V~	9	1/10
EC69097F		3P+⏚	380-415 V~	6	1/10
EC69099F		3P+N+⏚	346-415 V~	6	1/10

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EC69190F

EC69090F

EC69092F

HORIZONTAL INTERLOCKED SOCKETS WITH WALL BASE - FUSE HOLDER **SERIES 690**

CE

MAIN TECHNICAL FEATURES:
- 20° Inclined industrial interlocked sockets according to the Standard EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A - Gg 10,3x38 mm fuse type (not included).
- LED light indicator flor blown fuse • Lockable handle in ON or OFF positions..
- Stainless steel springs for lid closing. • Dimensions 196x145x25 (WxHxD) mm

LED light indicator for blown fuse

IP44
IP65

Horizontal interlocked sockets with wall base - fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691901F		2P+⏚	100-130 V~	4	1/10
EC690901F		2P+⏚	200-250 V~	6	1/10
EC692901F		3P+⏚	200-250 V~	9	1/10
EC690921F		3P+⏚	380-415 V~	6	1/10
EC690941F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets with wall base - fuse holder - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692921F		2P+⏚	200-250 V~	6	1/10
EC692931F		3P+⏚	200-250 V~	9	1/10
EC690961F		3P+⏚	380-415 V~	6	1/10
EC690981F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets with wall base - fuse holder - EN 60309 - In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691941F		2P+⏚	100-130 V~	4	1/10
EC690911F		2P+⏚	200-250 V~	6	1/10
EC692941F		3P+⏚	200-250 V~	9	1/10
EC690931F		3P+⏚	380-415 V~	6	1/10
EC690951F		3P+N+⏚	346-415 V~	6	1/10

Horizontal interlocked sockets with wall base - fuse holder - EN 60309 - In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692961F		2P+⏚	200-250 V~	6	1/10
EC692971F		3P+⏚	200-250 V~	9	1/10
EC690971F		3P+⏚	380-415 V~	6	1/10
EC690991F		3P+N+⏚	346-415 V~	6	1/10

EC691901F

EC690901F

EC690921F

VERTICAL INTERLOCKED SOCKETS WITHOUT WALL BASE **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to the Standard EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16, 32 and 63 A.
- Lockable handle in ON or OFF positions.
- Stainless steel springs for lid closing.
- Dimensions 120x280x30 (WxHxD) mm. Mounting distance 141+118x100 mm.

CE

IP44
IP65

Vertical interlocked sockets without wall base - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691904		2P+⏚	100-130 V~	4	1/10
EC690904		2P+⏚	200-250 V~	6	1/10
EC692904		3P+⏚	200-250 V~	9	1/10
EC690924		3P+⏚	380-415 V~	6	1/10
EC690944		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692924		2P+⏚	200-250 V~	6	1/10
EC692934		3P+⏚	200-250 V~	9	1/10
EC690964		3P+⏚	380-415 V~	6	1/10
EC690984		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - EN 60309 - In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691944		2P+⏚	100-130 V~	4	1/10
EC690914		2P+⏚	200-250 V~	6	1/10
EC692944		3P+⏚	200-250 V~	9	1/10
EC690934		3P+⏚	380-415 V~	6	1/10
EC690954		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - EN 60309 - In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692964		2P+⏚	200-250 V~	6	1/10
EC692974		3P+⏚	200-250 V~	9	1/10
EC690974		3P+⏚	380-415 V~	6	1/10
EC690994		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - EN 60309 - In 63A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692584		2P+⏚	200-250 V~	6	1/10
EC692594		3P+⏚	200-250 V~	9	1/10
EC693504		3P+⏚	380-415 V~	6	1/10
EC693514		3P+N+⏚	346-415 V~	6	1/10

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EC691904

EC690904

EC690954

EC693504

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VERTICAL INTERLOCKED SOCKETS WITHOUT WALL BASE - FUSE HOLDER **SERIES 690**

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to the Standard EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A - fuse type gG 10,3x38 mm (not included).
- In currents of 63 A - fuse type D02 36x15 m (not included).
- LED light indicator for blown fuse. Lockable handle in ON or OFF positions.
- Stainless steel springs for lid closing.
- Dimensions 120x280x30 (WxHxD) mm - Mounting distance 141+118x100 mm.

LED light indicator for blown fuse

IP44
IP65

Vertical interlocked sockets without wall base - fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691904F		2P+⏚	100-130 V~	4	1/10
EC690904F		2P+⏚	200-250 V~	6	1/10
EC692904F		3P+⏚	200-250 V~	9	1/10
EC690924F		3P+⏚	380-415 V~	6	1/10
EC690944F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - fuse holder - EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692924F		2P+⏚	200-250 V~	6	1/10
EC692934F		3P+⏚	200-250 V~	9	1/10
EC690964F		3P+⏚	380-415 V~	6	1/10
EC690984F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - fuse holder - EN 60309 - In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691944F		2P+⏚	100-130 V~	4	1/10
EC690914F		2P+⏚	200-250 V~	6	1/10
EC692944F		3P+⏚	200-250 V~	9	1/10
EC690934F		3P+⏚	380-415 V~	6	1/10
EC690954F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - fuse holder - EN 60309 - In 32A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692964F		2P+⏚	200-250 V~	6	1/10
EC692974F		3P+⏚	200-250 V~	9	1/10
EC690974F		3P+⏚	380-415 V~	6	1/10
EC690994F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets without wall base - fuse holder - EN 60309 - In 63A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC692584F		2P+⏚	200-250 V~	6	1/10
EC692594F		3P+⏚	200-250 V~	9	1/10
EC693504F		3P+⏚	380-415 V~	6	1/10
EC693514F		3P+N+⏚	346-415 V~	6	1/10

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EC691944F

EC690914F

EC690934F

EC693504F

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VERTICAL INTERLOCKED SOCKETS WITH WALL BASE - FUSE HOLDER

CE

SERIES 690

LED light indicator for blown fuse

IP44
IP65

MAIN TECHNICAL FEATURES:

- 20° Inclined industrial interlocked sockets according to the Standard EN 60309.
- Switch type AC23A - 10kA.
- In currents of 16 and 32 A - fuse type gG 10,3x38 mm (not included) • In currents of 63 A - fuse type D02 gG 36x15 mm (not included).
- LED light indicator for blown fuse • Lockable handle in ON or OFF positions.
- Stainless steel spring for lid closing. • Dimensions 120x280x95 (WxHxD) mm.

Vertical interlocked sockets with wall base - fuse holder - EN 60309 In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC6919041F		2P+⏚	100-130 V~	4	1/10
EC6909041F		2P+⏚	200-250 V~	6	1/10
EC6929041F		3P+⏚	200-250 V~	9	1/10
EC6909241F		3P+⏚	380-415 V~	6	1/10
EC6909441F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets with wall base - fuse holder - EN 60309 In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC6929241F		2P+⏚	200-250 V~	6	1/10
EC6929341F		3P+⏚	200-250 V~	9	1/10
EC6909641F		3P+⏚	380-415 V~	6	1/10
EC6909841F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets with wall base - fuse holder - EN 60309 In 16A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC6919441F		2P+⏚	100-130 V~	4	1/10
EC6909141F		2P+⏚	200-250 V~	6	1/10
EC6929441F		3P+⏚	200-250 V~	9	1/10
EC6909341F		3P+⏚	380-415 V~	6	1/10
EC6909541F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets with wall base - fuse holder - EN 60309 In 326A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC6929641F		2P+⏚	200-250 V~	6	1/10
EC6929741F		3P+⏚	200-250 V~	9	1/10
EC6909741F		3P+⏚	380-415 V~	6	1/10
EC6909941F		3P+N+⏚	346-415 V~	6	1/10

Vertical interlocked sockets with wall base - fuse holder - EN 60309 In 63A - IP65

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC6925841F		2P+⏚	200-250 V~	6	1/10
EC6925941F		3P+⏚	200-250 V~	9	1/10
EC6935041F		3P+⏚	380-415 V~	6	1/10
EC6935141F		3P+N+⏚	346-415 V~	6	1/10

EC6919441F

EC6909141F

EC6909341F

EC6935041F

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VERTICAL SOCKETS WITH SAFETY TRANSFORMER **SERIES 690**

MAIN TECHNICAL FEATURES:

- Straight industrial interlocked sockets according to the Standard EN 60309.
- Transformer SELV 230V~ - 24 V~, 150 VA.
- Fuse type - primary : 1 fuse (2A), secondary :1 fuse (6A).
- Fuse type gG 10,3x38 mm (not included).
- LED light indicator blown fuse (only primary).
- Stainless steel springs for lid closing.
- Mounting distance 141+118x100 mm.

On request with IP67 sockets.

LED light indicator for blown fuse

CE

IP44

Vertical sockets with safety transformer without wall base - without fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE		PACKAGING PIECES
EC694924		2P	24 V~		1/10

Vertical sockets with safety transformer with wall base - without fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE		PACKAGING PIECES
EC6949241		2P	24 V~		1/10

Vertical sockets with safety transformer without wall base - with fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	FUSE P.	FUSE S.	PACKAGING PIECES
EC694924F		2P	24 V~	2A	6A	1/10

Vertical sockets with safety transformer with wall base - with fuse holder - EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	FUSE P.	FUSE S.	PACKAGING PIECES
EC6949241F		2P	24 V~	2A	6A	1/10

EC694924F

EC6949241F

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ACCESSORIES AND MOUNTING BASES FOR INTERLOCKED SOCKETS

MAIN TECHNICAL FEATURES:

- Wall base: made of shock resistant technopolymer on ABS base, and high resistance to UV rays.
- Flush mounting box made of shock resistant orange or blue technopolymer.
- Standard colour: grey RAL 7035.
- Resistance to abnormal heat: up to 650°C, 850°C for EC690930 (Glow Wire Test, IEC 60695-2-11 standard).
- Possibility of a double insulation by the screw caps (not included).
- Possibility to install the bases in groups.

CE

GREY RAL 7035

Wall mounting bases for interlocked sockets

ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
EC690900	Wall mounting base for horizontal interlocked sockets WITHOUT FUSE HOLDER	154x114x50	1/20
EC690905	Wall mounting base for horizontal interlocked sockets WITH FUSE HOLDER	194x144x56	1/14
EC6909004	Wall mounting base for vertical interlocked sockets WITHOUT AND WITH FUSE HOLDER	120x280x67	1/10

Screw cap for double insulation

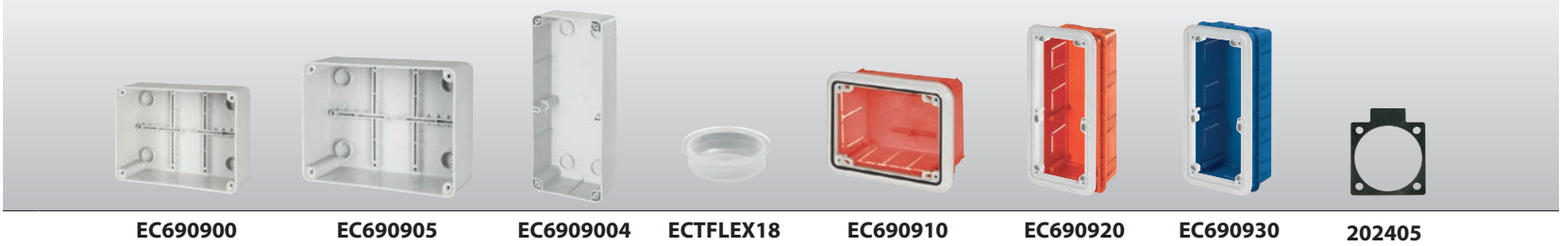
ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
ECTFLEX18	For wall mounting bases (4 per base)	18	100/2000

Flush mounting box for interlocked sockets

ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
EC690910	Flush mounting box for horizontal interlocked sockets WITHOUT FUSE HOLDER - with ring and gasket	180x145x80 (box depth 70)	1/12
EC690920	Flush mounting box for interlocked vertical sockets FOR ALL VERTICAL SOCKETS - with ring and gasket	309x149x80 (box depth 70)	1/14
EC690930	Dry lining mounting box FOR ALL VERTICAL SOCKETS - with ring and gasket	309x149x80 (box depth 70)	1/14

Additional gasket for 50x50 mm sockets

ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
202405	Flange gasket for uneven surfaces For sockets EC690514 - EC690515	50x50	50



EC690900 **EC690905** **EC6909004** **ECTFLEX18** **EC690910** **EC690920** **EC690930** **202405**

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WALL MOUNTING MODULAR BASES FOR VERTICAL INTERLOCKED SOCKET **SERIES 690**

MAIN TECHNICAL FEATURES:

- Wall mounting modular bases for vertical interlocked sockets.
- Usable also with flange 690F4 for industrial sockets 16/ 32A and IP55 support for Italian/schuko sockets.
- Made of shock resistant technopolymer on ABS base, and high resistance to UV rays.
- Standard colour: grey RAL 7035.
- Resistance to abnormal heat: up to 650°C (Glow Wire Test, IEC 60695-2-1 standard.
- Possibility of a double insulation by the screw caps (not included.
- Possibility to install the bases in groups.

CE

GREY RAL 7035

Wall mounting modular base with box for vertical interlocked sockets

ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
EC6909014	Wall mounting base - 1 socket	120x405x109	1/10
EC6909024	Wall mounting base - 2 sockets	250x405x109	1/5
EC6909034	Wall mounting base - 3 sockets	370x405x109	1/3
EC6909044	Wall mounting base - 4 sockets	500x405x109	1/2
202702	DIN rail for base 1 socket	84	10
202705	DIN rail for base 2 sockets	223	10

Watertight joints to connect several wall mounting modular bases or to connect the base to enclosures

ITEM	TYPE	INTERNAL Ø mm	HOLE Ø mm	FERRULE Ø mm	LENGHT mm	PACKAGING PIECES
EC52121	PG21	21,6	29	38	23	10/50
EC52129	PG29	27,7	37,5	44,2	23	10/50
EC52136	PG36	34,9	47,5	52,6	24,5	10/50

Flanges for wall mounting bases

ITEM	USE	EXTERNAL DIMENSIONS mm	PACKAGING PIECES
EC690F1	Blank flange to close the flanged plate 690F4	85x74	1/10
EC690F3	Blank flange for bases and boards 69045-46	120x280	1/10
EC690F4	Flange for 2 industrial sockets 16/32A for bases and boards 69045-46	120x280	1/20

EC6909014 **EC6909024** **EC6909034** **EC6909044** **EC52129** **EC690F3** **EC690F4**

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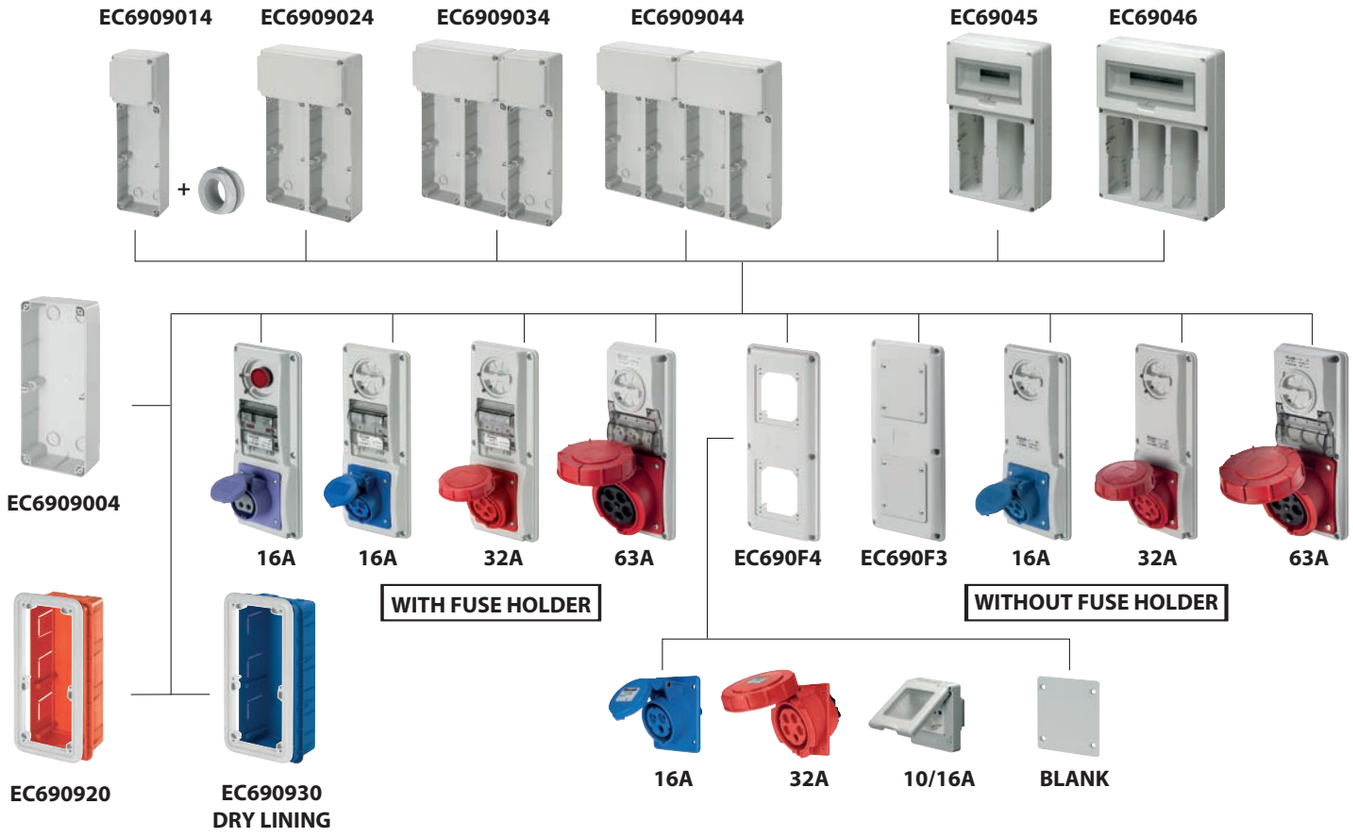
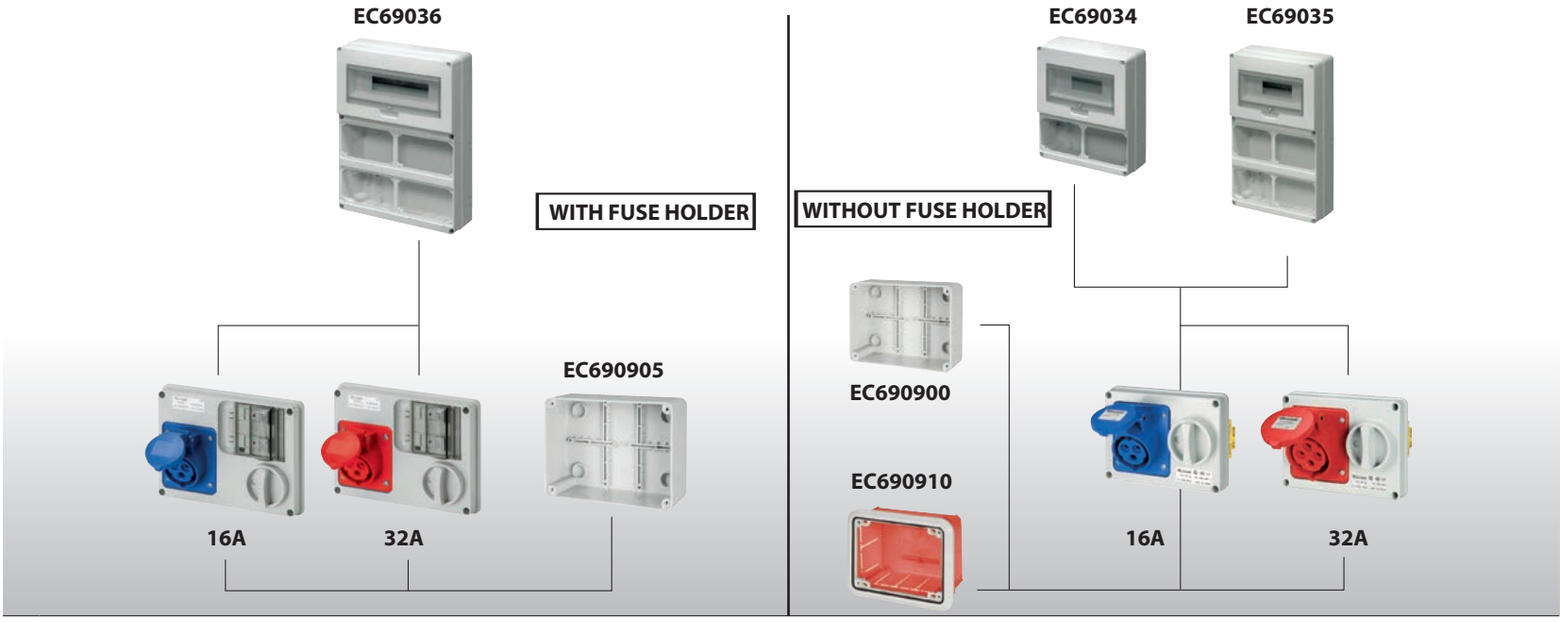
SUMMARY TABLE ON THE INTEGRATED SYSTEM OF INTERLOCKED VERTICAL SOCKETS AND BOARDS



SUMMARY TABLE ON THE INTEGRATED SYSTEM OF INTERLOCKED HORIZONTAL SOCKETS AND BOARDS



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SYSTEMS ADAPTORS - MULTIPLIERS **SERIES 690**

MAIN TECHNICAL FEATURES:

- Systems adaptors domestic to industrial / industrial to domestic - IP20.
- 2-Way multipliers with plug EN 60309.
- Only for mobile and temporary use.
- Not usable in places with danger of explosion or fire.
- Always disconnect from the supply when not used.

CE

IP20
IP44
IP67

System adaptor industrial to domestic 10/16A 220/250 V~

IP20 ITEM	PLUG 16A	SOCKETS 10/16A	SOCKETS 16A	PACKAGING PIECES
EC690510	2P+⏚	2x 2P+⏚ Italian standard	1 Schuko/Italian standard	10/80
EC690520	2P+⏚	2x 2P+⏚ Italian standard		10/90
EC690525	2P+⏚		1 Schuko/Italian standard	10/90
EC690530	3P+N+⏚		1 Schuko/Italian standard	10/90
EC690540	3P+N+⏚	2x 2P+⏚ Italian standard		10/90

System adaptor domestic to industrial 16A 220/250 V~ IP20

ITEM	POLES	PLUG TYPE 16A	SOCKET 16A	PACKAGING PIECES
EC690512	2P+⏚	S31 Schuko	2P+⏚	10/80
EC690513	2P+⏚	S17 Italian	2P+⏚	10/80

2-Way multiplier and plug EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691702	yellow	2P+⏚	100-130 V~	4	10
EC690702	blue	2P+⏚	200-250 V~	6	10
EC690722	red	3P+⏚	380-415 V~	6	10

2-Way multiplier and plug EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691742	yellow	2P+⏚	100-130 V~	4	5
EC690712	blue	2P+⏚	200-250 V~	6	5
EC690732	red	3P+⏚	380-415 V~	6	5

EC690510 **EC690520** **EC690525** **EC690512** **EC690513** **EC690712**

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MULTIPLIERS **SERIE 690**

MAIN TECHNICAL FEATURES:

- 3-Way multipliers with plug EN 60309.
- Only for mobile and temporary use.
- Not usable in places with danger of explosion or fire.
- To be always disconnected from the power when not used.

CE

IP44
IP67

3-Way multiplier and plug EN 60309 - In 16A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691703		2P+⏚	100-130 V~	4	6
EC690703		2P+⏚	200-250 V~	6	5
EC692703		3P+⏚	200-250 V~	9	4
EC692713		3P+N+⏚	208-250 V~	9	4
EC690723		3P+⏚	380-415 V~	6	4
EC690743		3P+N+⏚	346-415 V~	6	4

3-Way multiplier and plug EN 60309 - In 32A - IP44

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC690763		3P+⏚	380-415 V~	6	4
EC690783		3P+N+⏚	346-415 V~	6	4

3-Way multiplier and plug EN 60309 - In 16A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC691743		2P+⏚	100-130 V~	4	6
EC690713		2P+⏚	200-250 V~	6	5
EC692743		3P+⏚	200-250 V~	9	4
EC692753		3P+N+⏚	208-250 V~	9	4
EC690733		3P+⏚	380-415 V~	6	4
EC690753		3P+N+⏚	346-415 V~	6	4

3-Way multiplier and plug EN 60309 - In 32A - IP67

ITEM	COLOUR	POLES	NOMINAL VOLTAGE	REFERENCE h	PACKAGING PIECES
EC690773		3P+⏚	380-415 V~	6	4
EC690793		3P+N+⏚	346-415 V~	6	4

3-Way multiplier with cable H07RN-F and plug EN 60309 - In 16A - IP67

ITEM	COLOUR	SOCKETS POLES	PLUG POLES	NOMINAL VOLTAGE	REFERENCE h PLUG / SOCKETS	CABLE	PACKAGING PIECES
EC690714-3	/	2P+⏚	2P+⏚	200-250 V~	6/6	3MT - 3G2,5	1
EC690714-20	/	2P+⏚	2P+⏚	200-250 V~	6/6	20MT - 3G2,5	1
EC690714-30	/	2P+⏚	2P+⏚	200-250 V~	6/6	30MT - 3G2,5	1
EC690754-3	/	2P+⏚	3P+N +⏚	346-415 V~	6/6	3MT - 5G2,5	1

EC690703

EC690714-3

EC690754-3

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SWITCH DISCONNECTORS **SERIES 66**

MAIN TECHNICAL FEATURES:

- Boxes made of shock resistant halogen free technopolymer on ABS base.
- Knob padlock (3 padlocks), Lock lid in position "ON", Turning angle 90°.
- Rated operational voltage Ue: 690V, Insulation voltage Ui: 690V, 50/60 Hz.
- Mechanical durability 120 cycles per hour: 100.000 cycles.
- Earth and neutral through terminal blocks.
- Knockouts for conduit entry: 16-20-32-40A 2x Ø 20/25 mm; 63-80-100A 2x Ø 25/32 mm.
- Resistance to abnormal heat box: up to 650° C (Glow Wire Test IEC 60695-2-11 standard).
- Reference standard: EC947-3, EN60947-3, UL508.
- Double insulation and screw cover caps included.

IP65

GREY RAL 7035

Command switches - grey/black Knob

ITEM	DESCRIPTION	DIMENSIONS mm	PACKAGING PIECES
EC660162M	Command switches 16A - 2 poles	155x115x105	1/24
EC660163M	Command switches 16A - 3 poles	155x115x105	1/24
EC660164M	Command switches 16A - 4 poles	155x115x105	1/24
EC660202M	Command switches 20A - 2 poles	155x115x105	1/24
EC660203M	Command switches 20A - 3 poles	155x115x105	1/24
EC660204M	Command switches 20A - 4 poles	155x115x105	1/24
EC660322M	Command switches 32A - 2 poles	155x115x105	1/24
EC660323M	Command switches 32A - 3 poles	155x115x105	1/24
EC660324M	Command switches 32A - 4 poles	155x115x105	1/24
EC660402M	Command switches 40A - 2 poles	155x115x105	1/24
EC660403M	Command switches 40A - 3 poles	155x115x105	1/24
EC660404M	Command switches 40A - 4 poles	155x115x105	1/24
EC660632M	Command switches 63A - 2 poles	205x155x125	1/10
EC660633M	Command switches 63A - 3 poles	205x155x125	1/10
EC660634M	Command switches 63A - 4 poles	205x155x125	1/10
EC660802M	Command switches 80A - 2 poles	205x155x125	1/10
EC660803M	Command switches 80A - 3 poles	205x155x125	1/10
EC660804M	Command switches 80A - 4 poles	205x155x125	1/10
EC661003M	Command switches 100A - 3 poles	205x155x125	1/10
EC661004M	Command switches 100A - 4 poles	205x155x125	1/10

EC660162M

EC660632M

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SWITCH DISCONNECTORS **SERIES 66**

MAIN TECHNICAL FEATURES:

- Boxes made of shock resistant halogen free technopolymer on ABS base.
- Knob padlock (3 padlocks), Lock lid in position "ON", Turning angle 90°.
- Rated operational voltage Ue: 690V, Insulation voltage Ui: 690V, 50/60 Hz.
- Mechanical durability 120 cycles per hour: 100.000 cycles.
- Earth and neutral through terminal blocks.
- Knockouts for conduit entry: 16-20-32-40A 2x Ø 20/25 mm; 63-80-100A 2x Ø 25/32 mm.
- Resistance to abnormal heat box: up to 650° C (Glow Wire Test IEC 60695-2-11 standard).
- Reference standard: EC947-3, EN60947-3, UL508.
- Double insulation and screw cover caps included.

IP65

CE

GREY RAL 7035

Safety switches - red/yellow Knob

ITEM	DESCRIPTION	DIMENSIONS mm	PACKAGING PIECES
EC660162E	Safety switches 16A - 2 poles	155x115x105	1/24
EC660163E	Safety switches 16A - 3 poles	155x115x105	1/24
EC660164E	Safety switches 16A - 4 poles	155x115x105	1/24
EC660202E	Safety switches 20A - 2 poles	155x115x105	1/24
EC660203E	Safety switches 20A - 3 poles	155x115x105	1/24
EC660204E	Safety switches 20A - 4 poles	155x115x105	1/24
EC660322E	Safety switches 32A - 2 poles	155x115x105	1/24
EC660323E	Safety switches 32A - 3 poles	155x115x105	1/24
EC660324E	Safety switches 32A - 4 poles	155x115x105	1/24
EC660402E	Safety switches 40A - 2 poles	155x115x105	1/24
EC660403E	Safety switches 40A - 3 poles	155x115x105	1/24
EC660404E	Safety switches 40A - 4 poles	155x115x105	1/24
EC660632E	Safety switches 63A - 2 poles	205x155x125	1/10
EC660633E	Safety switches 63A - 3 poles	205x155x125	1/10
EC660634E	Safety switches 63A - 4 poles	205x155x125	1/10
EC660802E	Safety switches 80A - 2 poles	205x155x125	1/10
EC660803E	Safety switches 80A - 3 poles	205x155x125	1/10
EC660804E	Safety switches 80A - 4 poles	205x155x125	1/10
EC661003E	Safety switches 100A - 3 poles	205x155x125	1/10
EC661004E	Safety switches 100A - 4 poles	205x155x125	1/10

EC660162E

EC660632E

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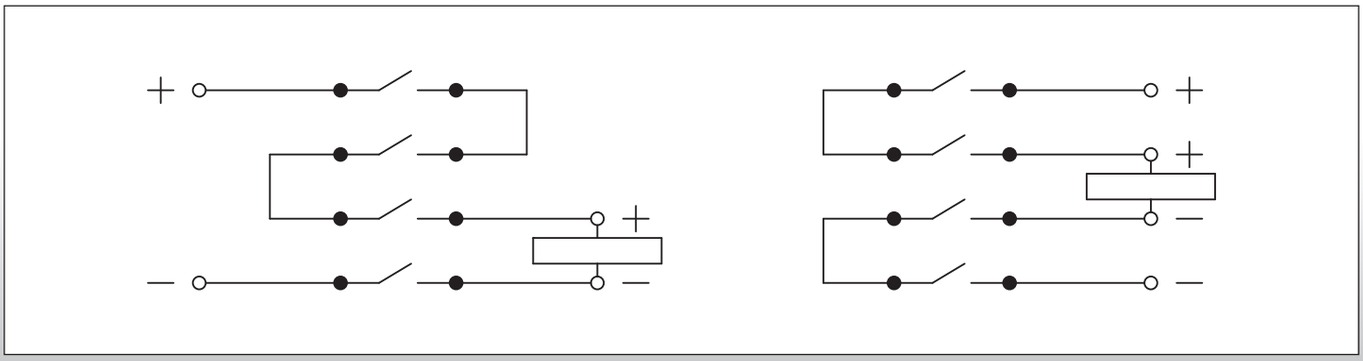
MAIN TECHNICAL FEATURES SWITCH DISCONNECTORS

Rated operational current Ie	**A**	**16**	**20**	**32**	**40**	**63**	**80**	**100**
Rated thermal current Ith	A	30	30	40	40	63	86	100
AC-21A Switching mixed resistive and inductive loads at light overloads - 690V	A	30	32	32	40	63	80	100
AC-22A Switching mixed resistive and inductive loads at medium overloads - 690V	A	20	25	32	32	63	80	100 (500V)
AC-23A Periodic switching of motors or other loads highly inductive. 3 phase - 3 poles (A/kW)	230V	25/7,5	25/7,5	32/10	32/10	50/15	63/18,5	70/22
	400V	25/15	25/15	32/18,5	32/18,5	50/30	60/33	67/67
	500V	25/15	25/15	32/22	32/22	50/37	60/40	67/45
	690V	20/18,5	20/18,5	25/22	25/22	32/30	35/33	38/37
AC-3 Starting of cage motors (interruption while running). 3 phase - 3 poles (A/kW)	230V	22/7,5	22/7,5	30/9	30/9	40/11	50/15	60/18,5
	400V	22/11	22/11	30/15	30/15	40/22	50/25	55/30
	500V	22/11	22/11	30/18,5	30/18,5	40/30	50/33	55/37
	690V	16/11	16/11	20/18,5	20/18,5	25/22	27/25	32/30
Nominal interruption power AC23-A (cosφ 0,45) (A)	230V	200	200	256	256	400	504	560
	400V	200	200	256	256	400	480	536
	500V	200	200	256	256	400	480	536
	690V	160	160	200	200	256	280	304
Rated short-time short circuit withstand current Icw (1s)	A	400	400	400	400	1500	1500	1500
Rated shorth circuit making capacity Icm	A	1500	1500	1500	1500	2840	2840	2840
Conditional rated short circuit withstand current	kA	10	10	10	10	10	10	10
Fuse rating gG	500V (A)	-	-	-	-	-	-	100
	690V (A)	40	40	40	40	63	80	-
Connectable section flexible conductors min/max	mm^2	1,5-10	1,5-10	1,5-10	1,5-10	6-25	6-25	6-25
Terminal screw / Screwing torque	Nm	M4/1,2	M4/1,2	M4/1,2	M4/1,2	M5/3	M5/3	M5/3
General use (UL508) 600V AC	A	32	32	40	40	63	80	100
Standard motors load (UL508) single phase - 2 poles	120VAC HP/FLA	1,5/20	1,5/20	2/24	2/24	3/34	3/34	3/34
	240VAC HP/FLA	3/17	3/17	5/28	5/28	7,5/40	7,5/40	10/50
Standard motors load (UL508) 3 phase - 3 poles	240VAC HP/FLA	7,5/22	7,5/22	10/28	10/28	10/28	10/28	10/28
	480VAC HP/FLA	10/14	10/14	15/21	15/21	20/27	25/34	25/34
	600VAC HP/FLA	15/17	15/17	20/22	20/22	25/27	30/32	30/32
Connectable section (UL508) AWG		16-8	16-8	16-8	16-8	10-2	10-2	10-2

Series connection of the poles of the 4P versiones for useof DC current



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WALL MOUNTING EMERGENCY PUSH-BUTTON **SERIES 69**

MAIN TECHNICAL FEATURES:

- Emergency push-buttons complete with 1 contact NC 10A - 250V~.
- Made of shock resistant halogen free technopolymer on ABS base.
- Preparing for conduit entry Ø 20/25 mm.
- Resistance to abnormal heat: up to 650°C (Glow Wire Test, IEC 60695-2-1 standard.
- Made in compliance with: EN418, EN60947-5-1, EN60204-1, ISO13850 standards.
- The operators are built with a mechanical system that guarantees the certainty of operation and of locking, or locking, in the operating position.
- The positive opening NC contact guarantees maximum reliability of the actuators.

IP65

GREY RAL 7035

Wall mounting emergency push-button

ITEM	DESCRIPTION	DIMENSIONS mm	PACKAGING PIECES
EC69000E	Emergency push-button Ø 40 - Twist to release	96x96x105	1/12
EC69000ES	Emergency push-button Ø 40 - Twist to release with vision red/green	96x96x105	1/12
EC69003E	Emergency push-button Ø 40 - Push-pull	96x96x105	1/12
EC69003EL	Emergency push-button Ø 40 - Push-pull with lens cap	96x96x105	1/12
EC69007E	Emergency push-button Ø 40 - With key release	96x96x105	1/12
EC69060E	Emergency push-button Ø 60 - Twist to release	96x96x105	1/12
EC69063E	Emergency push-button Ø 60 - Push-pull	96x96x105	1/12

EC69000E

EC69000ES

EC69003E

EC69003EL

EC69007E

EC69060E

EC69063E