omegafusibili.it

CONNECTION

CONNECTORS & SWITCHES FOR LIGHTING, MEDICAL AND INDUSTRIAL APPLICATIONS

RELIABILITY, INNOVATION, QUALITY, INTEGRITY

A MODERN PARTNER IN ELECTRONIC AND ELECTROMECHANICAL COMPONENTS

Omega is a leader in the distribution and production of electronic and electromechanical components, offering dedicated services to support and strengthen customer relationships.

Today, Omega is an international group in steady growth, with branches across Europe and a structured plan for further expansion. It positions itself as a modern, reliable partner for the distribution of electrical and electromechanical components.

OUR PARTNERS: AN ADDED VALUE

CHOSEN THROUGH YEARS OF EXPERIENCE, OUR PARTNERS ENSURE THE HIGHEST STANDARDS.

With a strong presence across Mediterranean Europe, Omega covers all major markets and application areas, maintaining a direct and constant relationship with its customers - always focused on maximum efficiency.

IDEC · APEM an IDEC company · mec switches
EATON Bussmann · THERMODISC · bel POWER | PROTECT | CONNECT
FUZETEC · bulgin · ADELS contact
IEC LOCK by Scolmore · ODU · COSEL
DURACELL · ETI · Lumberg
JOHNSON ELECTRIC · ROTEK · Mellor · Hetai
GGM · EDK · HERGA
RISUN · PELKO Motors · KAKU
Littelfuse Expertise Applied | Answers Delivered · min-tec · EFEN

AC166 CONNECTORS

FLAT PLUGS AND SOCKETS

3 to 5 pole
With strain relief
Cable 0,5 to 2,5 mm^2
16A/250V

CONNECTING CABLES WITH PLUG OR SOCKET

3 to 5 pole
Cables 1,5mm^2 and 2,5mm^2 in PVC (H05VV-F) and halogen-free (H05Z1Z1-F)
Fire protection class Eca

EXTENSION CABLES

3 to 5 pole
Cable 1,5mm^2 and 2,5mm^2 in PVC (H05VV-F) and halogen-free (H05Z1Z1-F)
Fire protection class Eca

MAIN CABLES

3 pole
Cables 1,5mm2 in PVC (H05VV-F)

DISTRIBUTION BLOCKS

3 pole
1 input and 3 to 5 outputs terminals
With and without mounting adapter

DISTRIBUTORS

3 to 5 pole
1 input, 2 output terminals

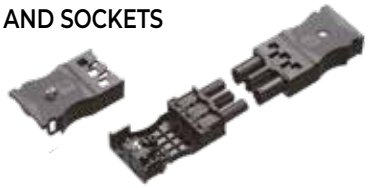
PLUGS AND SOCKETS PROTECTION CLASS II

With strain relief -20A/250V
Screw connection
Polyamide 6/6 UL94V-2
IP40 (when plugged)

HIGH PLUGS AND SOCKETS

3, 4 and 6 pole
Cables 0,5 - 2,5mm^2
With Agency Approvals
Colors: black, white, grey, blue
IP40 (when plugged)

PANEL MOUNT PLUGS AND SOCKETS



3 to 5 pole
Cables 0,5-2,5mm^2
2 terminals per pole
For housing 0,5-1,2mm
IP40 (when plugged) - With Agency Approvals

SOLDER PLUGS AND SOCKETS

With horizontal or vertical solder terminals
Colors: black, white, grey or blue
With Agency Approvals

STRAIN RELIEFS

3,4 and 6 pole
Different cable outlets
Polyamide 6/6 UL94V-2
Colors: white and black

PANEL MOUNT CONNECTING LINKS

3 pole
Colors: black and white
20A/250V
With Agency Approvals

AC164 CONNECTORS

FLAT PLUGS AND SOCKETS

With strain relief
2 to 5 pole
Cables 0,5-1,5mm^2
Variable cable outlets

CONNECTING CABLES WITH PLUG OR SOCKET

2 to 5 pole
Cables 1,5mm^2 in PVC (H05VV-F) and halogen-free (H05Z1Z1-F)
Fire protection class Eca

HIGH PLUGS AND SOCKETS

2 to 5 pole
Cables 0,5-1,5mm^2
With Agency Approvals
Colors: black, white and blue
IP40 (when plugged)

PANEL MOUNT PLUGS AND SOCKETS

2 to 5 pole
Cables 0,5-1,5mm^2
Wall thickness 0,5-1,2mm
With Agency Approvals
IP40 (when plugged)

LED CONNECTORS

TERMINALED

Distribution box for series or parallel connections
6A/150V - Connection type: IDC
Cable also available separately

AC162 CONNECTORS

Plugs and sockets for LED
Available in wired and unwired versions
Also for low voltage

SMD TERMINAL BLOCKS

1, 2 or 3 poles
0.5 - 2.5 mm^2 or 0.2 - 0.75 mm^2
Solid and flexible conductors - Connecting links also available

LIGHTING CONNECTORS

LCS75

2 to 5 pole
Casing break-out: M20 or M25
Panel mount terminal block
16A/250-400V
Cross section rating: 2.5mm^2
IP66/IP67/IP68 - Protective cap available

LED TRACK

Continuous row lighting system
16A/400V
3 to 11 pole
Wired or unwired

LOCKING CONNECTORS

C13 IEC LOCK+ REWIREABLE

Snap-in mounting from front
Solder terminal or quick connect for single terminal
10A/250VAC - Protection class 1
Integral plug retention feature
With Agency Approvals
Multi-tier modules available

C13 IEC LOCK+ CONNECTOR

Cable colors: black, orange, blue, red and white
Cable available with country-specific plugs or stripped end
Cable length from 300mm upwards
With Agency Approvals
With release guard

C19 AND C13 IEC LOCK CONNECTOR

Cable colors: black, orange, blue, red and white
Cable available with country-specific plugs or stripped end
Cable length from 300mm upwards
With Agency Approvals

C13 AND C19 IEC LOCK OUTLET

Snap-in mounting from front
Solder terminal or quick connect for single terminal
Protection class 1
Integral plug retention feature
10A/250VAC - With Agency Approvals
Multi-tier modules available

C13 MOULDED AND REWIREABLE MOULDED CONNECT

Right and left angled
10A-15A/250V
Withdrawal force: >100N
Fits any standard C14 outlet
Vibration-resistant
With Agency Approvals

C19 IEC LOCK+ REWIREABLE CONNECTOR

Fits any standard C20 inlet
Vibration-resistant
16A-20A/250V
Easypull handle
Withdrawal force: >100N
With Agency Approvals

IEC SOCKETS AND PLUGS

IEC POWER INLETS AND OUTLETS

Up to 20A - 250V
Tinned brass contacts
EN60320-1
With Agency Approvals
Snap-in, horizontal or vertical screw fixing
Also two-pole

IEC POWER INLETS WITH FUSEHOLDER

10A/250V
Tinned brass contacts
EN60320-1
With Agency Approvals
Snap-in or horizontal screw fixing
Single-pole or two-pole fuseholder

PCB POWER INLETS AND OUTLETS

10A-15A/250V
Tinned brass contacts
EN60320-1
Snap-in or horizontal screw fixing
Also with fuseholder, also two-pole
With Agency Approvals

IEC CONNECTORS WITH UNIVERSAL FIXING

10A-15A/250V
Tinned brass contacts
EN60320
With Agency Approvals
Also with fuseholder

IN-LINE SOCKETS AND PLUGS

10A/250V
Nylon - Nickel plated brass contacts
EN60320-1
Also 90°
With Agency Approvals

UNIVERSAL LOCKING SYSTEM

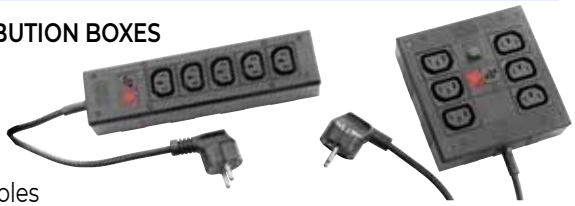
Universal retaining clips designed to securely lock power connectors and prevent accidental disconnects

POLYSNAP MODULES

VERTICAL AND HORIZONTAL MODULES

10A/250V
Snap-in or screw fixing
Different modules (inlet, outlet, 2 fuseholders, with single-pole or two-pole switches of different colors)
Also with filter
Also illuminated

DISTRIBUTION BOXES



2 to 6 poles
With and without wire
Also with frame
10A/250V
Thermoplastic

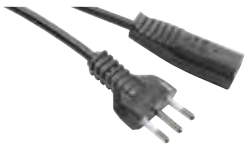
EMI FILTERS

FILTERS

Up to 10A - With or without fuseholders
Single or twin fuse types
Flange, snap to panel or base/bulkhead head mounting options
2.8 or 6.3mm tabs
With Agency Approvals
Flush-to-panel or prominent

POWER CABLES

WITH ITALIAN PLUGS



Length: 1,5/2/3/4mt - 10A/250V
Different plug/socket combinations
IEC Lock available

WITH EUROPEAN/SCHUKO PLUGS

Length: 2/3mt - 10A/16A - 250V
Different plug/socket combinations
IEC Lock available

WITH INTERNATIONAL PLUGS

Plugs: England, USA, Israel, Australia, Switzerland, China, Brazil
From 5A to 16A - 250V
Length: 2/3mt
Different plug/socket combinations
IEC Lock available

WITH BIPOLAR AND IEC PLUGS

Length: from 1 to 3mt
Different plug/socket combinations
IEC Lock available

RJ45 CONNECTORS & USB CONNECTORS

HORIZONTAL AND VERTICAL RJ45

- Cat. 6a
- Shielded and unshielded versions
- 8 contacts
- Modular plugs also available

RJ45 MODULAR CONNECTORS

- Cat. 6a - Toolless connection
- Insulation displacement technology (IDT)
- For signal and low currents up to 1.5A
- Up to 10 Gbit/s

BATTERIES AND BATTERY HOLDERS

INTENSE ALKALINE BATTERIES

- For high drain devices
- Sizes: AA/AAA/C/D/9V
- Operative temperature from -20 °C to +54 °C

HIGH POWER LITHIUM BATTERIES

- Sizes: 123/CR2 - 3V
- High resistance to extreme temperatures from -20°C to +60°C found in industrial settings

LITHIUM COIN BATTERIES

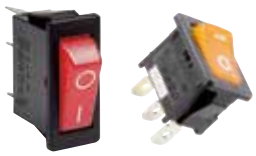
- Sizes: 2016/2025/2032/2450
- High power density: 3V
- Low, stable self-discharge rate

BATTERY HOLDERS

- PCB, panel mounting and drawer models
- For AA/AAA/9V C/D/PP3/CR123 batteries
- IP67 - Custom solutions available

SWITCHES

ROCKER SWITCHES



- Single and double pole switches
- Luminous and non-luminous
- Up to 16 A / 250 Vac
- High inrush options available

MINIATURE SWITCHES

- Up to 10A
- Stainless steel IP66
- Luminous and non-luminous

SPECIAL PURPOSE SWITCHES

- Slide switches, voltage selectors, round and luminous switches
- Solutions for appliances, control panels and dedicated applications

REFRIGERATOR DOOR SWITCHES

- 5A - 250V
- Single-pole - NC/NO
- ATEX version available

INDICATORS

LED INDICATORS

- 6, 8, 10 and 12 mm panel cut-outs
- Wide range of colours
- 2 VDC to 220 VAC
- Snap-in mounting
- Bi-colour option available

NEON INDICATORS

- 6.3, 7.1, 10 and 12.7 mm panel cut-outs
- 100/130 V and 200/250 V versions
- Chrome-plated brass bezel
- IP67 versions available

FOOTSWITCHES

HEAVY-DUTY FOOTSWITCHES

- Available in different colours
- IPX7 protection rating
- Also available in versions with potentiometer

FOOTSWITCHES

- Wide range of colours and switching options
- Available in multipedal versions
- IPX2 and IPX7 protection rating – IPX8 on request
- Also available with Bluetooth® connectivity

FOOT-OPERATED ELECTRONIC POTENTIOMETERS

- Variable voltage output
- Solid-state optical sensor
- Cost-effective solution
- Custom colours and logos available
- IPX2 protection rating

SAFETY GUARDS

- Mild steel construction
- Black or grey powder-coated finish
- Available in single or double versions
- Ergonomic shaped handle

HAND CONTROLS

- Ergonomic design
- Lightweight and easy to handle
- Available in electric, pneumatic and infrared versions
- Up to 6 selectable buttons

6240 SINGLE PEDAL FOOTSWITCH

- Available with aluminium or plastic base plates tough flexible cover
- Degree of protection EN 60529 IP67 (IP68 upon request)
- Connection method stripped cable cores or connector of your choice

TERMINAL BLOCKS

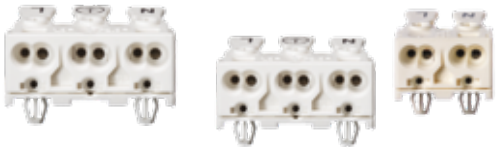
SCREW-SCREW TERMINAL BLOCKS

From 16A to 40A
From 230V to 750V
From 1 to 12 poles
Also available in porcelain

SCREW-SCREWLESS TERMINAL BLOCKS

16A/450V
From 1 to 12 poles
Combined screw and screwless connection

SCREWLESS TERMINAL BLOCKS



16A/450V
From 2 to 5 poles
Quick and easy connection without screws

TERMINAL BLOCKS WITH FUSEHOLDER

From 16A to 25A - From 400V to 500V
From 1 to 5 poles
For 5x20 and 6.3x32 fuses
Fuse pre-assembly available

RAST CONNECTORS

RAST 1.5 CONNECTORS

1.5 mm pitch
Up to 12 contacts
Current rating up to 3 A
Cable cross-section: 0.14 to 0.22 mm²

RAST 2.5 CONNECTORS

2.5 mm pitch
Up to 20 contacts
Current rating up to 10 A
Cable cross-section: 0.14 to 0.38 mm²

RAST 5 CONNECTORS

5 mm pitch
Up to 12 contacts
Current rating up to 16 A
Cable cross-section: 0.22 to 2.5 mm²

POWER RAST 7.5 CONNECTORS

7.5 mm pitch
Up to 5 contacts
Current rating up to 25 A
Cable cross-section up to 2.5 mm²

PCB CONNECTORS

MINIMODUL, MICROMODUL & MULTIMODUL CONNECTORS

- 1.27 and 2.5 mm pitch
- Up to 26 contacts
- Current rating up to 5 A
- Cable cross-section up to 0.60 mm^2

SMARTSKED CONNECTORS

- 2.5 or 5 mm pitch
- Up to 13 contacts
- Current rating up to 4 A
- Cable cross-section: 0.22 to 0.38 mm^2

RAST 2.5 CONNECTORS FOR 1 MM PCB

- 2.5 mm pitch
- From 3 to 9 contacts
- Current rating up to 4 A
- Cable cross-section: 0.22 to 0.38 mm^2

PRESS-FIT TECHNOLOGY

- Solderless connection
- Resistant to shock and vibration
- Insertion force: 75 N

HIGH-CURRENT CONTACT ELEMENTS – SERIES 4580

- Connection from top, bottom or side
- Current rating up to 60 A
- Up to 200 A with proper heat dissipation
- Available with positioning pegs

POWER SUPPLY CONNECTORS

- For plugs 4.0mm x 1.7mm and 6.5 mm x 4.1 mm x 1.0 mm,
- With Agency Approvals
- Angular version, with break contact, for printed circuit boards

IP68 CONNECTORS

MICRO & MINI BUCCANEER

- IP68, IP69K
- Bayonet or screw locking
- Up to 13A, 600V AC/DC
- Plastic body - 2 to 12 no. of contacts
- 19mm - 19.7mm

STANDARD BUCCANEER

- IP68, IP69K
- Screw locking - 38mm
- Up to 12A, 227V AC/DC
- Plastic body - 2 to 25 no. of contacts
- Also available in the Vitalis version, made from bio-based plastic

Vitalis

30° TWIST LOCK BUCCANEER

IP68, IP69K
Up to 16A, 227V AC/DC
Metal or plastic body - 2-22 nr. of contacts
32mm

HIGH POWER CONNECTORS

IP68, IP69K
Bayonet or screw locking
Up to 225A, 1250V AC
Plastic body - 2-11 nr. of contacts
From 50mm up to 80.67mm

DATA CONNECTORS

IP67, IP68, IP69K
Up to 32A 600V AC/DC
Coaxial, USB (2.0, 3.0, 3.2), HDMI and
Ethernet (Cat5e, Cat6a, Cat8 RJ45)
Metal or plastic
Bayonet, 30° twist lock or screw locking

FIBER CONNECTORS

IP68, IP69K
Bayonet, 30° twist lock or screw locking
19mm, 19.6mm, 38mm
Operating temperature -50° to +80°

CIRCULAR CONNECTORS

CIRCULAR CONNECTORS M16

2.5 or 5 mm pitch
From 3 to 13 contacts
Current rating up to 4 A
Screw, DIN and bayonet versions
Metal and plastic versions
IP40 to IP68

AUDIO & RCA CONNECTORS

Up to 5A
Sizes: 2.5mm, 3.5mm, 6.35mm, large variety
RCA and jack connectors for audio and video signal currents as well as low load currents
With Agency Approvals

MINI-SNAP METALLIC CONNECTORS

From 2 to 40 poles
Push-pull
IP50 or IP67 5000 mating cycles
Contacts: solder lug, crimp, PCB
High resistance to chemicals - Also shielded

MINI-MED MEDICAL CONNECTORS

From 2 to 6 poles
IP67
1000 mating cycles
Sterilizable, -15°C + 80°
Cable length: from 0,5 mt to 5 mt

MEDI-SNAP MEDICAL CONNECTORS

From 2 to 26 poles
Plastic or metallic
5000 mating cycles
IP50, IP64, IP67 or IP68
Wireable or die-cast

AMC MILITARY CONNECTORS

From 1 to 55 poles
IP68K or IP69K
High-speed data transmission
Types: standard, high-density, easy clean, fiber

CUSTOMIZED SOLUTIONS

Special insulator, designed in accordance with IEC 60601-1
To satisfy specific customer requirements in the low-voltage and high-voltage range
Also available with cable assembly

ELECTRICAL CONTACTS

Versatile contact technologies
Reliability and durability - up to 1 million mating cycles
Current-carrying capacity of up to 2400A
Stamping technology for customer-specific high volume solutions
High vibration and shock resistance
Low, stable contact resistance

MODULAR CONNECTORS

ODU-MAC

Manual or automatic connection
Plastic or aluminum body
Up to 10 million mating cycles
High contact density
Types: signal, power, current, coaxial, compressed air, fluids, optic fiber, data, PCB
Black-line Mass Interconnect available

POWER CONNECTOR

Combine high-current and high-voltage in one interface
High current: 600A
Touch protection IP2X
Minimum 10.000 mating cycles
Connection options: crimping, screw, busbar

A WORLD OF APPLICATIONS

AUTOMATION
· Control and management of industrial production processes

DEFENSE
· Military vehicles
· Communication systems
· Controllers

ELECTRONIC AND ELECTRICITY
· PCB
· Low and Medium Voltage
· Electrical panels

ELECTRICAL APPLIANCES
· Large and small appliances
· Industrial appliances
· Professional cooking

VEHICLES
· Automotive
· Transports
· Agriculture
· Marine

GREEN ENERGY
· Photovoltaic
· Renewable
· Electric Vehicles
· Storage

LIGHTING
· Industrial plants
· Design

HVAC
· Refrigerated counters
· Hot/Cold systems
· Heating

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