



Palazzoli
GROUP

GENERAL
CATALOGUE

V24

The Electricians' Choice



BEST IN CLASS SINCE 1946



Our Promise

Lewden offers durable electrical power distribution solutions and LED lighting. Our expertise is centered on circuit protection and distribution, alongside an extensive range of switches, plugs, and connectors.

Over 5000 SKUs stocked at our Braintree warehouse and Irvine facility ensure prompt delivery. Committed to safety and user protection, we focus on continuous design innovation, guided by user feedback.





The Electricians' Choice

KEY MILE STONES IN THE HISTORY OF LEW DEN

> 1946

Established in 1946 by the founders Mr Lewis and Mr Denfield, Lewden Metal Products as it was then known, developed an expertise in the metal die-casting and machining of products for the electrical and components industry. Other early products included door furnishings, motor industry components and lighting.

> 1970

In the 1970's the new European Standard IEC 60309 for Plugs and Connectors replaced the existing BS4343 British Standard. In response, Lewden designed an innovative range of plastic moulded plugs, connectors and switches to enhance the already well-established die-cast range. This new "Titan" range of products soon became the preferred choice of the electrical contractor, establishing Lewden as the market leader.

> 2006

In 2006, Lewden's commitment to continual product evolution and the pursuit of value within the international market led to a strategic alliance with Palazzoli, a distinguished Italian manufacturer of electrical components. Boasting over 120 years of industrial distinction in crafting electrical products, Palazzoli operates an advanced production facility in Brescia, Northern Italy.





> Today

Lewden is recognized as the Electricians' Choice for durable and reliable electrical power distribution solutions, catering to industrial, commercial, and residential needs. With a rich heritage, established business practices, and a strong commitment to customer and end-user support, Lewden continually upholds its reputation by investing in the enhancement of both its service and product quality.

In collaboration with the Palazzoli Group, Lewden has gained access to advanced design and manufacturing processes, significantly broadening its product range for customers in the UK and internationally. Together, Lewden and Palazzoli offer products specifically designed for a variety of sectors, including construction, industry, marine, transportation, and environments where high safety standards are essential.





The Electricians' Choice

➤ Quality certification & Testing



All Lewden processes and customer interactions align with **ISO 9001:2015**, the International quality standard, with certifications for products to their relevant standards.

The commitment to best practices extends to environmental and occupational health and safety management, as evidenced by its **ISO 14001** and **ISO 45001** certifications. These certifications underscore Lewden's integration of key environmental, social, and governance practices into its business operations.

The Palazzoli Test Laboratory, authorised by IMQ-IECEE for the WMT (Witnessed Manufacturer's Testing) regime, can conduct in-house tests under IMQ inspectors' supervision. This facility expedites product development and ensures a high level of quality and service for the end users.

Lewden is affected by inherent sustainability risks, like all businesses. To help improve and maintain our sustainability performance Lewden have used trusted assessment platforms such as EcoVadis & Sedex to rate our company's sustainability performance. These platforms are providing our business with the opportunity to show leadership within our industry, alignment with global best practices and the implementation of sustainability management systems that go beyond compliance.



➤ Lewden's Commitment to Environmental Responsibility

With a proactive approach to environmental conservation, Lewden strictly complies with the WEEE Directive, ensuring responsible handling of Waste Electrical and Electronic Equipment.

The company's WEEE Producer Registration Number, WEEE/BD0073UQ, is a testament to its dedication to effective waste management and recycling efforts.

Why It Matters?

It safeguards Environmental Sustainability, encourages Resource Efficiency, and supports a Circular Economy.

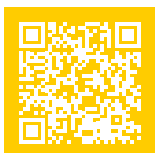
➤ Custom design & build services

Lewden's Custom Design & Build Service offers specialized solutions tailored to your unique needs. Our technical experts work closely with you through the entire design and production process, ensuring a seamless experience from concept to delivery. Assembled by our seasoned engineering team, our service is focused on delivering bespoke products, customised to streamline on-site installation.



Key Advantages

Expert guidance from our technical team throughout the custom design and build phase. Swift turnaround from initial design to final product delivery. Pre-finished, bespoke solutions that minimize on-site installation time. With a commitment to excellence and a reputation for quality, 90% of our business comes from repeat clients. Discover more about how our Custom Design & Build Service can elevate your projects.



Scan the QR Code to discover the Custom-Build & Design Services



Custom

customised to suit your bespoke requirements.



Design

full concept and product design.



Build

assembled by our experienced engineering team.



Service

consultation provided throughout the process.



The Electricians' Choice

> Distribution facility

Lewden distributes a wide range of power distribution and LED lighting products from its head office located in Braintree, Essex. With over 5000 SKUs available for next day delivery from our 6000m² warehouse, we offer fast and reliable service to installation contractors, OEM's and end users. Additionally, our Lewden premium stockists ensure guaranteed availability of our products.



> Lewden stockist programme



Platinum, Gold, Silver, and Bronze - each offering a variety of benefits to suit different business needs. Our programme is crafted to support and reward our partners, providing advantages such as:

- Reduced minimum order values for more flexible purchasing.
- Priority distribution and guaranteed next-day delivery options.
- Exclusive rebate schemes based on annual turnover.
- Access to product demonstration vans and technical training facilities.
- Comprehensive support from our experienced Regional Sales Managers.

These benefits are designed to accelerate business growth, improve product knowledge, and enhance customer engagement for our stockists, making partnership with Lewden a rewarding experience.

 platinum

 gold

 silver

 bronze

> Roadshow Van



Scan the QR code to track the Lewden Roadshow van as it tours around the country.



In 2023, the Lewden Roadshow Van initiative marked a significant stride in our engagement with the electrical community. Visiting over 100 branches and welcoming more than 2000 installers, this initiative was a testament to our commitment to enhancing industry knowledge and supporting sales growth.

Benefits

- **Extensive Branch Visits** Successfully reached over 100 wholesalers, bringing our innovative electrical solutions directly to their doorsteps.
- **Installer Engagement** Engaged with 2000+ installers, providing them with valuable insights into our product range and practical applications.
- **Expert Training** Offered in-depth training to branch members, elevating their product knowledge and expertise.

- **Sales and Marketing Support** Utilized our experienced sales managers and robust social media presence to boost event promotion and drive sales.

Book the Van for Your Branch!

Ready to bring the Lewden experience to your doorstep?

Simply send an email to book the Roadshow Van for your branch:

marketing@lewden.co.uk

Join us in 2024 as we continue to drive innovation and excellence in the electrical industry!





The Electricians' Choice

➤ Technical Support



LIVE CHAT
8 AM to 5 PM
at lewden.com



01376336200
Sales Desk

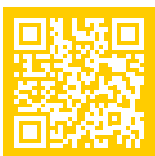
➤ Customer service



Scan the QR code to Get instant Help

Lewden provides technical support with a **live chat feature** on the website available on weekdays, from **8 AM to 5 PM**, managed personally by experienced technical engineers to ensure clients receive real-time, expert assistance. Additionally, the knowledgeable **sales team** is always on hand to facilitate a seamless sales process and offer comprehensive customer support at every stage. They are readily available to address any inquiries related to products or services, ensuring all customer needs are met with exceptional efficiency and care.

➤ Where to buy?

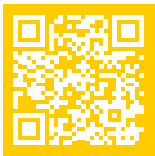


Scan the QR code to find your local Lewden Stockist

Lewden's inclusion of wholesaler details on its website is a deliberate effort to connect installers with the nearest availability of product stock. This resource empowers installers to locate and acquire Lewden's products from nearby sources, streamlining their procurement process. The convenience of this online visibility allows efficient planning of resource acquisition, saving time and ensuring that installers can have all necessary materials at hand prior to commencing their work.



> Lewden Academy



Scan the QR code
for Free CPD Courses

Lewden Academy demonstrates its commitment to education by offering CPD accredited training modules, which are created to assist college students, electrical apprentices and installers in enhancing their knowledge and skills. These modules provide comprehensive information for straightforward and easy installation of Lewden products.



Upon completing a course, participants receive a CPD certificate. This certification is vital as it highlights the individual's dedication to continuous professional development, ensuring they remain adept in the latest industry standards and practices.



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The Electricians' Choice

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1

Residential

PRO CONSUMER UNITS AND CIRCUIT PROTECTION

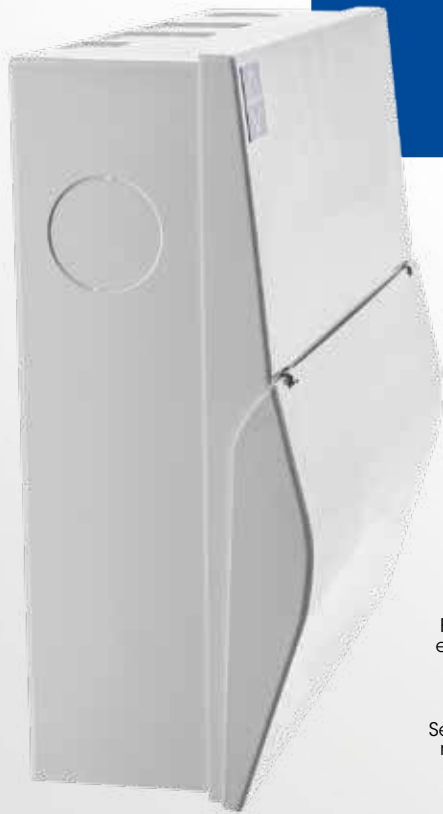


The Electricians' Choice

EASY TO INSTALL

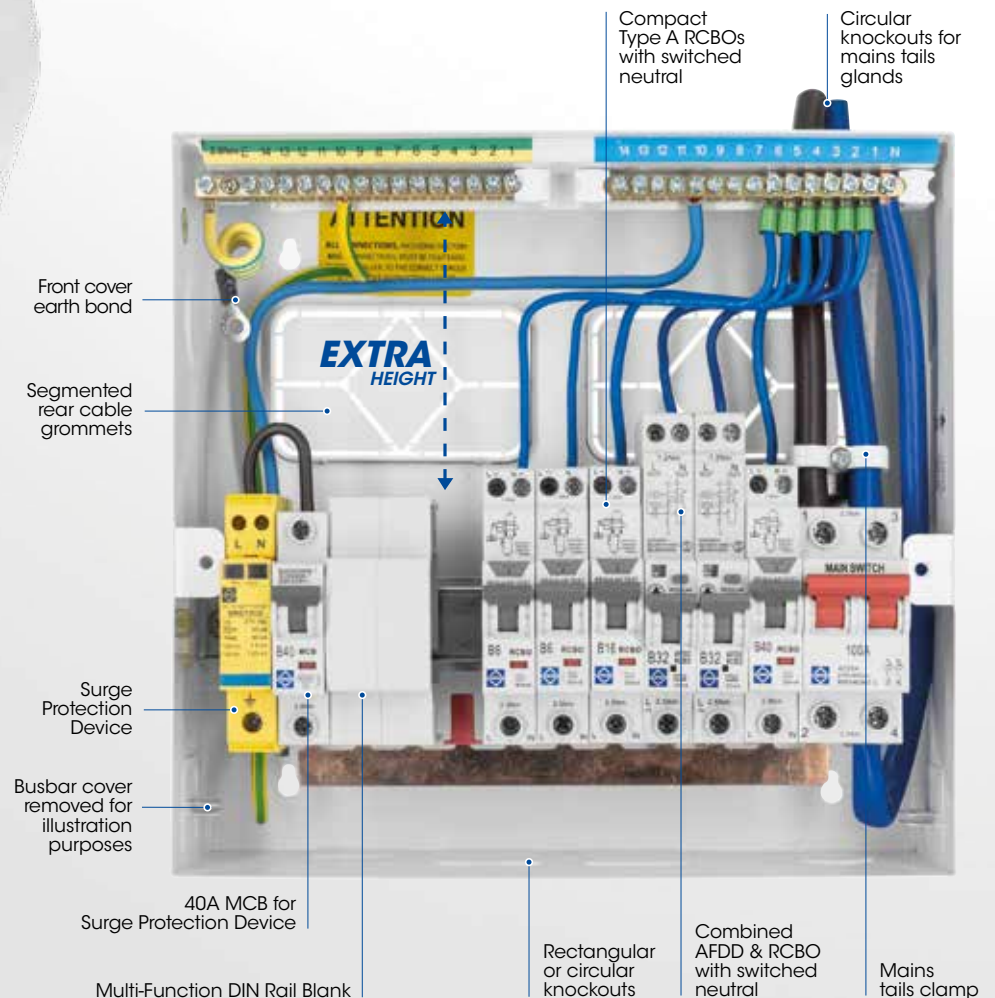
Discover Elegance & Efficiency with Pro Consumer Units and Circuit Protection.

Creating safe, efficient, and aesthetically pleasing living environments is of utmost importance, for which Lewden has crafted the Pro Consumer Units and Circuit Protection range with the modern homeowner in mind. Lewden has engineered products with high electrical performance and great ease of installation.



Stylish Design

> Rectangular or Circular knockout models.



> Stylish Design

- Clean finish with a wrap-around front cover.
- 180° wide opening for easy visibility and labelling, suitable even for low-mounted units.

> Solid Construction

- Durable, non-combustible steel in RAL9003 Signal white semi-gloss.
- Cover screws are retained to avoid loss.
- Offers both rectangular and circular knockout models for flexibility.
- Rectangular knockouts match popular mini trunking sizes and provide maximum cable entry capacity.
- Circular knockouts provide complete flexibility for installing round cable glands and conduits.

> Enclosure Height

- Increased height provides ample space for wiring and future additions.

> Devices

- Offers a comprehensive range of circuit protection devices, including compact RCBOs with switched neutral.
- Easily integrates Type 2 surge protection.
- Space-saving combined AFDD-RCBO with switched neutral available for enhanced protection.

> Accessories

- Blind cable grommets for rectangular knockouts to prevent cable chafing and ensure IP4X protection.
- Optional meter tails clamp for additional cable strain relief.
- Cover padlock attachment for restricted access applications.
- Full din rail mounting blanks ensure protection against live parts and can't be removed when the cover is fitted.
- Segmented rear grommets in two sizes to safeguard cables and adjust the opening based on cable quantity.



> Main Switch

- Double pole Switch Configuration with terminal capacity of 35mm².



> RCCB Options

- Available in Class A or B.
- Suitable for various AC and DC applications.



> Miniature Circuit breakers

- Fully interchangeable with switched and unswitched neutral RCBOs.
- Available in B and C trip curve options.



> RCBO Options

- Now available in Standard and Compact sizes.
- Ratings from 6A to 50A
- Available in B and C trip curve options.
- Switched and Unswitched neutral pole options.
- Unidirectional or bi-directional options.

> AFDD-RCBO

- Ratings from 6A to 40A, incorporated in single module width protecting against.
 - Arc faults
 - Over current
 - Over voltages
 - Residual current

> Surge Protection Devices

- Compact design for Consumer Units.
- Range available individually or in comprehensive kit.
- Suitable for TN & TT networks.

PRO RCBO Based Solution

A comprehensive consumer unit range comprising a 100A DP main switch with overload and residual current protection provided on each individual final circuit by RCBOs. Distributing final circuits across individual RCBOs provides the best approach to fully meeting the requirements of BS7671.

- Supplied with 100A rated Mains Switch and distribution bus bar.
- Overcurrent and 30mA earth leakage fault protection combined in one device.
- Class A residual current protection as standard.
- 6kA Short circuit breaking capacity. Energy limiting class 3.
- B or C curve overcurrent trip options.
- Fully interchangeable switched and un-switched neutral pole RCBO options.
- Ratings from 6A to 50A.
- Available with the option of rectangular or circular knockouts across all enclosure sizes.
- All consumer units are for indoor installation.

▲ RCBO Consumer units with surge protection

- Equipped with 100A DP Main Switch and Type 2 Surge Protection as standard
- Arranged with 1 x Neutral & 1 x Earth bar



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-MX08MS	5 Ways	9
	PRO-MX10MS	7 Ways	11
	PRO-MX12MS	9 Ways	13
	PRO-MX16MS	13 Ways	17
	PRO-MX21MS	18 Ways	22
○	PRO-R04M	2 Ways + 1*	5
	PRO-R08MS	5 Ways	9
	PRO-R10MS	7 Ways	11
	PRO-R12MS	9 Ways	13
	PRO-R16MS	13 Ways	17
	PRO-R21MS	18 Ways	22

Please note models R04M do not feature pre-integrated Surge Protection.
* +1 extra module included for the installation of a surge protection device.

▲ Black Consumer units - Matte finish

- Large rectangular rear knockouts in multiple positions are designed for use with Lewden grommets.
- A selection of round cable entry knockouts on top and bottom faces.
- Retained front cover screws help to prevent loss during installation.



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)
○	PRO-R12MSBK	9 Ways	13
	PRO-R21MSBK	18 Ways	22

▲ Dual row consumer unit

- Equipped with 100A DP main switch and type 2 surge protection as standard.
- Designed for use with Lewden RCBs and AFDD RCBs.
- Supplied with comb busbars and all interconnecting cables.
- A selection of round cable entry knockouts on top and bottom faces.
- Large rectangular rear knockouts in four positions are designed for use with Lewden cable grommets.



Knockout Arrangement	Part number	Total Useable ways	Useable ways Top row	Useable ways Bottom row	Enclosure size (Modules)
○	PRO-RD21MS	21	11	10	26
	PRO-RD29MS	29	15	14	34
	PRO-RD39MS	39	20	19	44

▲ Populated dual RCCB

- Configured with 100A DP Main Switch, 2x 80A 30mA RCCBs, and 6x MCBs
- 1 Extra module included for the installation of surge protection*
- 4 spare ways



Knockout Arrangement	Part Number	Useable Ways	Enclosure Total (Modules)	RCCB 80A 30mA Type A	MCBs B Trip Curve		
					6A	16A	32A
□	PRO-PM10	10 Ways +1*	17	2	2	1	3
○	PRO-RPM10	10Ways +1*	17	2	2	1	3

* +1 extra module included for the installation of a surge protection device.

▲ Semi-populated dual RCCB

- Configured with 100A DP Main Switch 2 x 80A 30mA Class A Bi-Directional RCCBs.
- Includes all interconnecting cables



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)	RCCB 80A 30mA Type A
□	PRO-MX12RRMFLEXIA	6 Ways +1*	13	2
	PRO-MX16RRMFLEXIA	10 Ways +1*	17	2
	PRO-MX21RRMFLEXIA	15 Ways +1*	22	2
○	PRO-R12RRMFLEXIA	6Ways +1*	13	2
	PRO-R16RRMFLEXIA	10Ways +1*	17	2
	PRO-R21RRMFLEXIA	15Ways +1*	22	2

* +1 extra module included for the installation of a surge protection device.

▲ Unpopulated dual RCCB

- Configured with 100A DP Main Switch and interconnecting cables for 2 RCCBs. (RCCBs not included)
- Select appropriately rated RCCBs for the installation (63A, 80A, or 100A)



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)	Main Switch	RCCB Positions
□	PRO-MX12XXM	6 Ways +1*	13	1	2
	PRO-MX16XXM	10 Ways +1*	17	1	2
	PRO-MX21XXM	15 Ways +1*	22	1	2
○	PRO-R12XXM	6Ways +1*	13	1	2
	PRO-R16XXM	10Ways +1*	17	1	2
	PRO-R21XXM	15Ways +1*	22	1	2

* +1 extra module included for the installation of a surge protection device.



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▲ Dual tariff

- Configured with 2x 100A Main Switches and 2 distribution bus bars
- 2x Neutral bars & 1 x Earth bar
- Compatible with 6kA single pole MCBs and Switched or un-switched neutral RCBOs and AFDD RCBOs



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)	Main Switch
□	PRO-MX17DT	13 Ways	17	2
	PRO-MX22DT	18 Ways	22	2
○	PRO-R17DT	13 Ways	17	2
	PRO-R22DT	18 Ways	22	2

▲ RCCB incomer

- Configured with 30mA RCCB incomer
- Arranged with 1 x Neutral & 1 x Earth bar



Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)	RCCB 30mA Type A
□	PRO-MX08R	6 Ways +1*	9	63A
	PRO-MX10R	8 Ways +1*	11	80A
	PRO-MX12R	10 Ways +1*	13	80A
○	PRO-R04R	2 Ways +1*	5	63A
	PRO-R08R	6 Ways +1*	9	63A
	PRO-R10R	8 Ways +1*	11	80A
	PRO-R12R	10 Ways +1*	13	80A

* +1 extra module included for the installation of a surge protection device.

▲ Garage distribution

- Sub distribution consumers unit range comprising Main Switch or Bi-Directional RCCB incomer.
- Complete with two MCBs



Knockout Arrangement	Part Number	Enclosure Total (Modules)	100A DP Main Switch	RCCB 63A 30mA Type A	MCBs B Trip Curve	
					6A	16A
○	PRO-RGARAGE-MS	5	1	-	1	1
	PRO-RGARAGE-63	5	-	1	1	1

▲ PRO empty modular enclosures

- Supplied complete with single phase distribution busbar and neutral cable to allow for distribution set up via a DP main switch (GMS1002P main switch not included)
- 1 Neutral and 1 Earth bar



Knockout Arrangement	Part Number	Enclosure Size (Modules)
□	PRO-MC09ENC	9
	PRO-MC11ENC	11
	PRO-MC13ENC	13
	PRO-MC17ENC	17
	PRO-MC22ENC	22
○	PRO-R05ENC	5
	PRO-R09ENC	9
	PRO-R11ENC	11
	PRO-R13ENC	13
	PRO-R17ENC	17
	PRO-R22ENC	22

▲ Component enclosure

- Ideal for housing singular devices such as main switches, SPD's and RCCB's.
- Fully open sided access and a centrally positioned DIN Rail, providing optimum mounting.
- For applications where additional wiring room and installation access are advantageous.
- A 3-way earth bar suitable for conductors up to 25 mm² is also provided.



Knockout Arrangement	Part Number	Enclosure Size (Modules)
○	5MODMC	5



The Electricians' Choice

NEW

New consumer units range - coming up soon in Q1 2025

- Part numbers are structured on the number of useable ways
- MTC pre-fitted
- 1x Rear grommet and 1x MFDRB included in accessories bag
- 1 additional outgoing way (compared to like for like previous code number)
- Models pre-installed with SPD will use the new SRGT2B, positioned next to the main switch

▲ RCBO Consumer Units with Surge Protections



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-S06W-R1S	PRO-MX08MS	6	9
	PRO-S08W-R1S	PRO-MX10MS	8	11
	PRO-S10W-R1S	PRO-MX12MS	10	13
	PRO-S14W-R1S	PRO-MX16MS	14	17
	PRO-S19W-R1S	PRO-MX21MS	19	22
○	PRO-R06W-R1S	PRO-R08MS	6	9
	PRO-R08W-R1S	PRO-R10MS	8	11
	PRO-R10W-R1S	PRO-R12MS	10	13
	PRO-R14W-R1S	PRO-R16MS	14	17
	PRO-R19W-R1S	PRO-R21MS	19	22

▲ Pre-populated RCBO Consumer Units with Surge Protection



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-S10W-P1S	PRO-PR10S	10	13
	PRO-S14W-P1S	PRO-PR14S	14	17

▲ Black Consumer Units - Matte Finish



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
○	PRO-R10B-R1S	PRO-R12MSBK	10	13
	PRO-R19B-R1S	PRO-R21MSBK	19	22

▲ Dual Row Consumer Units



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
○	PRO-R22W-R1S	PRO-RD21MS	22	26
	PRO-R30W-R1S	PRO-RD29MS	30	34
	PRO-R40W-R1S	PRO-RD39MS	40	44

▲ Semi-Populated Dual RCCB



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-S07W-D1	PRO-MX12RRMFLEXIA	7	13
	PRO-S11W-D1	PRO-MX16RRMFLEXIA	11	17
	PRO-S16W-D1	PRO-MX21RRMFLEXIA	16	22
○	PRO-R07W-D1	PRO-R12RRMFLEXIA	7	13
	PRO-R11W-D1	PRO-R16RRMFLEXIA	11	17
	PRO-R16W-D1	PRO-R21RRMFLEXIA	16	22

▲ Dual Tariff



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-S13W-T1	PRO-MX17DT	13	17
	PRO-S18W-T1	PRO-MX22DT	18	22
○	PRO-R13W-T1	PRO-R17DT	13	17
	PRO-R18W-T1	PRO-R22DT	18	22

▲ RCCB Incomer



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	Enclosure Size (Modules)
□	PRO-S07W-C1	PRO-MX08R	7	9
	PRO-S09W-C1	PRO-MX10R	9	11
	PRO-S11W-C1	PRO-MX12R	11	13
○	PRO-R03W-C1	PRO-R04R	3	5
	PRO-R07W-C1	PRO-R08R	7	9
	PRO-R09W-C1	PRO-R10R	9	11
	PRO-R11W-C1	PRO-R12R	11	13

▲ Split Load Consumer Units



Knockout Arrangement	New Part Number	Old Part Number	Useable Ways	High Integrity Ways	Enclosure Size (Modules)
□	PRO-S12W-H1S	New offer	12	9	17
	PRO-S17W-H1S	New offer	17	15	22
○	PRO-R12W-H1S	New offer	12	9	17
	PRO-R17W-H1S	New offer	17	15	22

6kA circuit protection

▲ Compact RCBOs 30mA Switched Neutral - Uni-Directional

- Double pole switching for complete isolation in the event of a fault.
- A switched neutral pole significantly reduces the installation and commissioning test time.
- Compact 96mm height increases the available wiring space within the consumer unit.
- Suitable for TN & TT earthing systems.
- Particularly suited to installations where double pole isolation of individual circuits may be required; e.g. Distribution circuits on TT earthing systems, Electric vehicle charging circuits etc.
- 6kA short circuit capacity.



Rated Current	Type A	
	B Trip Curve	C Trip Curve
6A	RCBO-B06/30/1PNA	RCBO-C06/30/1PNA
10A	RCBO-B10/30/1PNA	RCBO-C10/30/1PNA
16A	RCBO-B16/30/1PNA	RCBO-C16/30/1PNA
20A	RCBO-B20/30/1PNA	RCBO-C20/30/1PNA
25A	RCBO-B25/30/1PNA	RCBO-C25/30/1PNA
32A	RCBO-B32/30/1PNA	RCBO-C32/30/1PNA
40A	RCBO-B40/30/1PNA	RCBO-C40/30/1PNA

Protection	Breaking Capacity	RCD Type	Tripping Threshold	Network	Polarity	Standard	Modules
Overcurrent + Residual Current	6kA	A	30mA	TN/TT	Uni-Directional	BS EN 61009-1	1

▲ RCBOs 30mA un-switched neutral

- Single Pole switching
- Device height 113mm
- Suitable for TN Earthing systems
- Single pole RCBOs are suitable for use in TT network systems when used in conjunction with a DP main switch as the point of safe isolation
- 6kA short circuit capacity



Rated Current	Type A	
	B Trip Curve	C Trip Curve
2A	RCBO-B02/30/SPA	-
4A	RCBO-B04/30/SPA	-
6A	RCBO-B06/30/SPA	RCBO-C06/30/SPA
10A	RCBO-B10/30/SPA	RCBO-C10/30/SPA
16A	RCBO-B16/30/SPA	RCBO-C16/30/SPA
20A	RCBO-B20/30/SPA	RCBO-C20/30/SPA
25A	RCBO-B25/30/SPA	RCBO-C25/30/SPA
32A	RCBO-B32/30/SPA	RCBO-C32/30/SPA
40A	RCBO-B40/30/SPA	RCBO-C40/30/SPA
50A	RCBO-B50/30/SPA	RCBO-C50/30/SPA

Protection	Breaking Capacity	RCD Type	Tripping Threshold	Network	Polarity	Standard	Modules
Overcurrent + Residual Current	6kA	A	30mA	TN/TT	Uni-Directional	BS EN 61009-1	1

▲ Bi-Directional RCBOs - 30mA Switched Neutral

- Double pole switching for complete isolation in the event of a fault.
- A switched neutral pole significantly reduces the installation and commissioning test time.
- Compact 96mm height increases the available wiring space within the consumer unit.
- Particularly suited to installations where double pole isolation of individual circuits may be required.
- Distribution circuits on TT earthing systems, Electric vehicle charging circuits, etc.



Rated Current	Type A	
	B Trip Curve	C Trip Curve
6A	RCBO-B06/30/1PNAB	-
10A	RCBO-B10/30/1PNAB	-
16A	RCBO-B16/30/1PNAB	-
20A	RCBO-B20/30/1PNAB	-
25A	RCBO-B25/30/1PNAB	-
32A	RCBO-B32/30/1PNAB	-
40A	RCBO-B40/30/1PNAB	-

Protection	Breaking Capacity	RCD Type	Tripping Threshold	Network	Polarity	Standard	Modules
Overcurrent + Residual Current	6kA	A	30mA	TN/TT	Bi-Directional	BS EN 61009-1	1

▲ AFDD RCBOs - Uni-Directional

- Combined AFDD & RCBO providing Arc Fault protection alongside over-current, residual current and over voltage protection
- Class A 30mA RCD
- B Trip Curve, 6kA short circuit capacity
- Suitable for TN and TT Earthing systems
- Single module 18mm width, fully interchangeable with switched and unswitched neutral RCBOs and single pole MCBs.
- Switched neutral pole



Rated Current	B Trip Curve
6A	P04-B06/30/1PNA
10A	P04-B10/30/1PNA
16A	P04-B16/30/1PNA
20A	P04-B20/30/1PNA
32A	P04-B32/30/1PNA
40A	P04-B40/30/1PNA

Protection	Breaking Capacity	RCD Type	Tripping Threshold	Network	Polarity	Standard	Modules
Overcurrent + Residual Current + Arcing Fault + Over Voltage	6kA	A	30mA	TN/TT	Uni-Directional	BS EN 61009-1 BS EN 62606	1

Scan to access the CPD course on SPDs from our Lewden Academy



▲ Miniature circuit breakers single pole

- 6kA Short circuit breaking capacity.
- B or C curve overcurrent trip options
- Ratings from 6A to 63A
- Fully interchangeable with switched and unswitched neutral RCBO options



Rated Current	B Trip Curve				C Trip Curve			
	1 pole	2 poles	3 poles	4 poles	1 pole	2 poles	3 poles	4 poles
6A	G06-1B06	G06-2B06	G06-3B06	G06-4B06	G06-1C06	G06-2C06	G06-3C06	G06-4C06
10A	G06-1B10	G06-2B10	G06-3B10	G06-4B10	G06-1C10	G06-2C10	G06-3C10	G06-4C10
16A	G06-1B16	G06-2B16	G06-3B16	G06-4B16	G06-1C16	G06-2C16	G06-3C16	G06-4C16
20A	G06-1B20	G06-2B20	G06-3B20	G06-4B20	G06-1C20	G06-2C20	G06-3C20	G06-4C20
25A	G06-1B25	G06-2B25	G06-3B25	G06-4B25	G06-1C25	G06-2C25	G06-3C25	G06-4C25
32A	G06-1B32	G06-2B32	G06-3B32	G06-4B32	G06-1C32	G06-2C32	G06-3C32	G06-4C32
40A	G06-1B40	G06-2B40	G06-3B40	G06-4B40	G06-1C40	G06-2C40	G06-3C40	G06-4C40
50A	G06-1B50	G06-2B50	G06-3B50	G06-4B50	G06-1C50	G06-2C50	G06-3C50	G06-4C50
63A	G06-1B63	G06-2B63	G06-3B63	G06-4B63	G06-1C63	G06-2C63	G06-3C63	G06-4C63

Note: if using 6kA circuit breakers on a Three Phase board, a mounting kit will be required (See page 41).
4 pole MCBS cannot be used directly onto the TPN Busbar.

Miniature circuit breakers single pole

Protection	Breaking Capacity	RCD Type	Polarity	Standard	Modules
Overcurrent	6kA	A	Bi-Directional	BS EN 60898-1	1

▲ RCCB Class A - 2 pole / 4 pole

- Suitable for use on pure AC and where pulsating DC exists up to 6mA
- Type A devices are also suitable for AC applications
- 6kA Short circuit withstand



Part Number	Rated Current	Tripping Threshold	Total Modules
25/30/2A	25A	30mA	2
40/30/2A	40A	30mA	2
63/30/2A	63A	30mA	2
80/30/2A	80A	30mA	2
100/30/2A	100A	30mA	2
100/100/2SA*	100A Selective (S Type)	100mA Time delayed	2

*Where a metal consumer unit is installed in a TT system, the main switch can be replaced by a 100A 100mA - S type (time delayed) RCCB.

2 Pole

RCD Type	Modules	Tripping Threshold	Network	Polarity	Standard
A	2	30mA	TN/TT	Bi-directional	BS EN61008-1

Part Number	Rated Current	Tripping Threshold	Total Modules
25/30/4A	25A	30mA	2
40/30/4A	40A	30mA	2
63/30/4A	63A	30mA	2
80/30/4A	80A	100mA Time delayed	2

4 Pole

RCD Type	Modules	Tripping Threshold	Network	Polarity	Standard
A	4	30mA	TN/TT	Bi-directional	BS EN61008-1

▲ RCCB class B

- 2 pole, 4 module for 230V applications
- 4 pole, 4 module for 400V applications
- Suitable for use on pure AC, pulsating DC, smooth DC & high frequency 10Hz<1kHz
- Type B devices are also suitable for type AC, A & F applications



Part Number	Rated Current	Number Of Poles	Tripping Threshold	Total Modules
63/30/2B	63A	2P	30mA	4
63/30/4B	63A	4P	30mA	4

▲ Main switch

- 100A DP 2 module width
- Terminal capacity 35mm²
- Bi-Directional



Part Number	Rated Current	Rated Voltage	Switch Configuration	Utilisation Category
GMS1002P	100A	230/400VAC 50/60Hz	Double Pole	AC22A

Surge protection devices

▲ Surge protection kit

- Kit comprises Type 2 SPD, 40A B curve MCB & 6mm² connection cables
- Suitable for use in TN-C-S (PME) / TN-S / and TT networks
- Note: The MCB occupies one of the Consumer Units useable ways and the SPD occupies the +1 way



Part Number	Description
SRG1VCU-KIT	SRGT2CU + 40A MCB + Cable set for Lewden Consumer Units

Scan to access the CPD course on SPDs from our Lewden Academy



▲ Single phase SPDs

- Suitable for use in TN-C-S (PME) / TNS / TT network systems
- SRG1V1G features a volt free signaling changeover contact & twin earth terminals
- SRGT2CU requires 40A MCB which utilizes one of the consumer unit outgoing ways
- SRGT2CU - Compact design for consumer units
- IEC61643-11



Part Number	Type	Voltage Protection Level (Up) L/N	Nominal discharge current (In/Imax) 8/20 μs	Max continuous operating voltage (Uc)	Lightning impulse current (I imp / I total) 10/350 μs	Config.	Total Modules
SRGT2CU	Type 2	<1.5kV	20/40kA	275 VAC	-	1+1	1
SRG1V1G*	Type 2	1.25kV	20/40kA	275 VAC	-	(Connection Type CT2)	2
SRG1123*	Type 1&2	1.3kV	20/50kA	280 VAC	12.5/25kA		2

*Can be installed in 5MODMC enclosure

Scan to access the CPD course on SPDs from our Lewden Academy



▲ Single Phase SPDs - Coming soon in Q1 2025

NEW

Fits directly to the comb busbar in PRO consumer units
 No dedicated MCB required
 Suitable for use with maximum back up fuse 100A
 Mechanical flag and volt free changeover signalling contact for end of life indication



Part Number	Type	Voltage Protection Level (Up) L/N	Nominal discharge current (In/Imax) 8/20 μs	Max continuous operating voltage (Uc)	Lightning impulse current (I imp / I total) 10/350 μs	Config.	Total Modules
SRGT2B	Type 2	<1.5kV	20/40 kA	275 VAC	-	1+1 (Connection Type CT2)	1

Scan to access the CPD course on SPDs from our Lewden Academy



▲ Single phase retrofit surge protection - Type 2

- For installations where surge protection cannot be accommodated within the existing consumer unit
- Available in either metal or insulated weatherproof ABS enclosures
- Utilizes SRGT2CU type 2 single phase surge arrester
- Suitable for use in TN-C-S (PME) / TNS / TT network systems



Part Number	Description
SRG1VCU-RM	IP20, Steel enclosure c/w Main Switch, 40A MCB and SRGT2CU
SRG1VCU-RP	IP55, Plastic Enclosure c/w Main Switch, 40A MCB and SRGT2CU

Consumer units accessories

	<table border="1"> <thead> <tr> <th colspan="2">Pierceable cable grommets for all PRO consumer units with rectangular knockouts</th> </tr> <tr> <th>Small</th> <th>Large</th> </tr> </thead> <tbody> <tr> <td>CUGR-4025</td> <td>CUGR-5050</td> </tr> <tr> <td>40mm x 25mm (Pack of 10)</td> <td>50mm x 50mm (Pack of 10)</td> </tr> </tbody> </table>	Pierceable cable grommets for all PRO consumer units with rectangular knockouts		Small	Large	CUGR-4025	CUGR-5050	40mm x 25mm (Pack of 10)	50mm x 50mm (Pack of 10)		
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PRO-SP13W	13 Modules										
PRO-SP17W	17 Modules										
PRO-SP22W	22 Modules										

- Small, large and rear cable grommets are not applicable to 5MODMC.
- MTC not applicable to 5MODMC.



2

Commercial / Industrial

TP&N DISTRIBUTION BOARDS (TYPE B)



The Electricians' Choice

TP&N

DISTRIBUTION BOARDS FOR COMMERCIAL AND INDUSTRIAL INSTALLATIONS

Safety meets Efficiency with 10kA Distribution boards and Circuit Protection.

Experience the pinnacle of Power Control and unmatched Circuit Protection with Lewden 10kA Distribution Boards for High-Demand Commercial & Industrial Applications. Lewden innovates for Reliability – delivering Custom Solutions in Power Distribution & Safety and more. To meet the demands of modern Industry with 10kA Strength, Lewden has engineered a full 360 range for 3 phase power distribution – making it the Electrician's Choice.



Accessories

A comprehensive distribution board range for modern commercial & industrial installations.



TP&N DISTRIBUTION BOARDS



INCOMERS



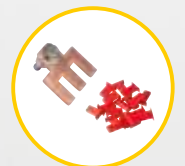
SURGE PROTECTION



CIRCUIT PROTECTION 10kA



CIRCUIT PROTECTION 6kA



ACCESSORIES



> Main Switch

- Four pole Switch Configuration with terminal capacity of 50mm²
- Can be classified as Incomer



> RCCB Options

- Available in Standard (Type A) and time delayed (Type A[s]) options.
- Suitable for pure AC and pulsating DC applications



> Miniature Circuit Breakers

- Available in B, C, and D trip curve options
- Ratings from 6A to 63A



> RCBO Options

- Suitable for different TN and TT network systems
- Ratings from 6A to 45A
- Available in B and C trip curve options



> Surge Protection Devices

- Available in Type 1,2 and Type 2
- Offered for 230V and 400V applications
- Suitable for various TT and TN-C-S(PME) / TN-S networks

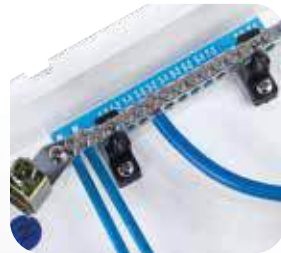


The Electricians' Choice

Attractive and ergonomic profile designed for commercial premises



- Optimal space for simple and safe wiring.
- Earth and neutral termination on both the left and right hand side of board for clear identification of load circuit connections.



- Supplied with lock and key for security

- Suitable for use with 6kA* or 10kA MCB's & RCBO's (*when used in conjunction with the relevant accessories)

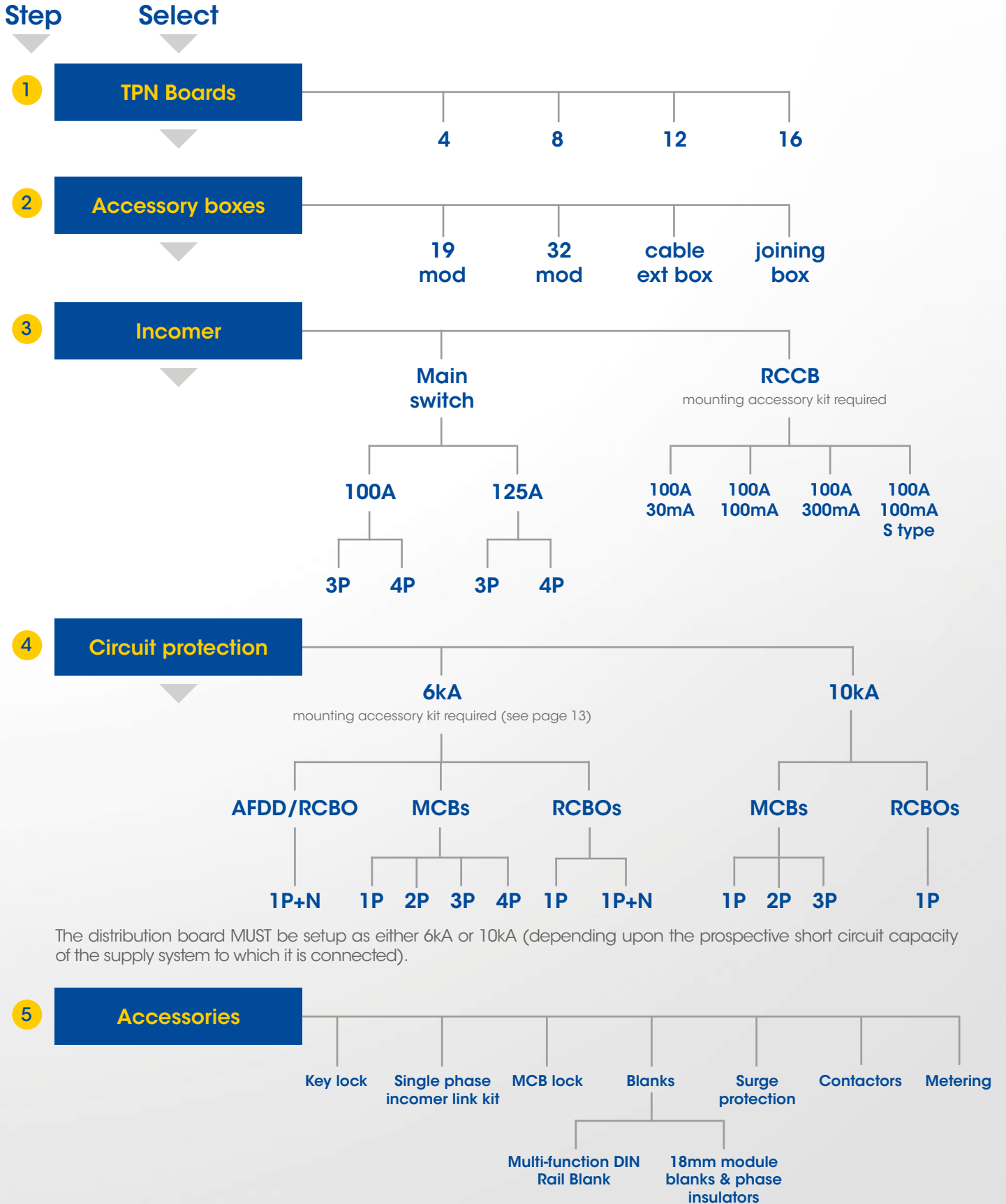


- Detachable undrilled gland plates (top and bottom)

Main features

- Heavy gauge (1.2mm) robust & modular steel construction, suitable for wall mounting
- Allows compliance with BS7671:2008 - 2018+A2:2022 + Amendment 3:2015
- Optimal cabling space
- Rigid construction prevents distortion
- Lockable hinged access door for safety and security
- Removable top and bottom gland plates
- Powder coated texture finish to RAL 9003 white

Build a functional design to suit your installation



The distribution board MUST be setup as either 6kA or 10kA (depending upon the prospective short circuit capacity of the supply system to which it is connected).

▲ TP&N distribution boards - Type B



Part Number	Description	Outgoing Ways
E-TPN04LW	4 way, 125A, Type B	4 x TP / 12 x SP
E-TPN08LW	8 way, 125A, Type B	8 x TP / 24 x SP
E-TPN12LW	12 way, 125A, Type B	12 x TP / 36 x SP
E-TPN16LW	16 way, 125A, Type B	16 x TP / 48 x SP

The board is supplied complete with mounting brackets to suit 100/125A main switch and 10kA circuit protection devices. For other devices, mounting accessory kits will be required. Select incomer from Page 34. Select Circuit Protection devices from Pages 34-36.

Rated Operational Voltage U _e	IP Rating	Rated Conditional Short Circuit Current ICC	Standards
230V/400V 50Hz	IP2XC	16kA RMS (backed up by a 125A fuse)	BS EN 61439-3

Extension Boxes

Can be fitted top or bottom



Part Number	Description
TPN-EXT19	19 Module Extension Box with key lockable door and DIN Rail



Part Number	Description
TPN-EXTCB	Cable Extension Box with screw on cover and internal equipment mounting plate



Part Number	Description
QFS-MC32ENC	32 Module Extension Box (to be used in conjunction with TPN-JB125)



Part Number	Description
TPN-JB125	Required for connection of TP&N Distribution board to QFS-MC32ENC extension box

For fitting to bottom of TP&N Boards only

MID



Part Number	Description
TPN-MKSI	Multi-function Metering Panel. Can be mounted at the top or bottom of TPN distribution board

Easy to read backlit LCD screen • Suitable for single or 3 phase four wire networks
 • Built in pulsed output and RS485 modbus communication • 3ph 140-460VAC / 1ph 80-265V measured voltage • CT ratio 160A / 330mV with RJ45 connection cable
 • Wide range of measured parameters: - Voltage L-N L-L - Current per phase - Power factor - Frequency - Active and reactive power - Max demand.

Surge protection enclosures

For fitting to bottom of TPN Boards only



Part Number	Description
TPN-SPD1PT1	Extension Box fitted with Single Phase Type 1 & 2 SPD (SRG1123)



Part Number	Description
TPN-SPD1PT2	Extension Box fitted with Single Phase Type 2 SPD (SRG1V1G)



Part Number	Description
TPN-SPD3PT1	Extension Box fitted with Three Phase Type 1 & 2 SPD (SRG3123)



Part Number	Description
TPN-SPD3PT2	Extension Box fitted with Three Phase Type 2 SPD (SRG3V1G)

TPN-EXT19 Extension Box fitted with 50mm² Loop-in/Loop-out Terminals - Surge Protection/Isolation device (in the form of Fuses for Type 1 SPD's and MCB's for Type 2 SPD's), negating the need to use outgoing ways on associated TPN Board - For mounting at the bottom of TPN distribution boards - Supplied prewired with all necessary cabling.

Unpopulated TPN mounted in IP66 heavy duty GRP enclosure

IP66 GRP enclosed TPN distribution board



Part Number	Size (H x W x D) mm
E-TPN04GRP	655 x 560 x 260
E-TPN08GRP	655 x 560 x 260
E-TPN12GRP	655 x 560 x 260
E-TPN16GRP	810 x 630 x 300



The Electricians' Choice

Incomers

▲ Main switch



Part Number	Rated Current	Pole
EMS-1003P	100	3
EMS-1004P		4
EMS-1253P	125	3
EMS-1254P		4

Rated Operational Voltage (Ue)	Category of Duty	Terminal Capacity	Standards
230/400V 50/60Hz	AC22B	50mm ²	EN60947-3

▲ RCCB - 4 Pole - Bi-Directional



Part Number	Rated Current	Type	Tripping Threshold
RCD10-100/30/4A	100	A	30mA
RCD10-100/100/4A		A	100mA
RCD10-100/100/4S		A [s]*	100mA time delayed
RCD10-100/300/4A		A	300mA

Part Number	Type	Rated Operational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Standard Tripping Time 5 x IΔn	Terminal Capacity	Standards
RCD10-100/30/4A RCD10-100/100/4A RCD10-100/300/4A	A	400V, 50Hz	<300ms	<40ms	35mm ²	EN61008-1
RCD10-100/100/4S	A [s]*	400V, 50Hz	130-500ms	50 - 150ms	35mm ²	EN61008-1

Where an RCCB is to be used as incoming device, mounting accessory kit TPN-RCCBAK is required.
*[s] = Time Delayed

Scan to access the CPD course on RCCBs from our Lewden Academy



▲ RCCB accessory kit

• TPN-RCCBAK is required where an RCCB is to be used as the incoming device.



Part Number
TPN-RCCBAK

RCCB Type	Classification	Symbol	Type of load suited to	Description
A	Suitable for use on pure AC and where pulsating DC exists up to 6mA		Equipment that features electronic components Type A devices are also suitable for AC applications	<ul style="list-style-type: none"> Inverters Class 1 IT and multimedia equipment Power supplies for class 2 equipment Washing machines that are not frequency controlled Lighting controls such as electronic dimmer switches and building electronic systems LED drivers Induction hobs Electric vehicle charging where any smooth DC fault current is <6mA

Circuit protection - 10kA

▲ Miniature circuit breakers - 10kA



Rated Current	10 kA - B Trip Curve		10 kA - C Trip Curve			10 kA - D Trip Curve		
	1 Pole	3 Poles	1 Pole	2 Poles	2 Poles	1 Pole	2 Poles	2 Poles
6A	E10-1B06	E10-3B06	E10-1C06	E10-2C06	E10-3C06	E10-1D06	E10-2D06	E10-3D06
10A	E10-1B10	E10-3B10	E10-1C10	E10-2C10	E10-3C10	E10-1D10	E10-2D10	E10-3D10
16A	E10-1B16	E10-3B16	E10-1C16	E10-2C16	E10-3C16	E10-1D16	E10-2D16	E10-3D16
20A	E10-1B20	E10-3B20	E10-1C20	E10-2C20	E10-3C20	E10-1D20	E10-2D20	E10-3D20
25A	E10-1B25	E10-3B25	E10-1C25	E10-2C25	E10-3C25	E10-1D25	E10-2D25	E10-3D25
32A	E10-1B32	E10-3B32	E10-1C32	E10-2C32	E10-3C32	E10-1D32	E10-2D32	E10-3D32
40A	E10-1B40	E10-3B40	E10-1C40	E10-2C40	E10-3C40	-	-	-
50A	E10-1B50	E10-3B50	E10-1C50	E10-2C50	E10-3C50	-	-	-
63A	E10-1B63	E10-3B63	E10-1C63	E10-2C63	E10-3C63	-	-	-

Trip Curve	Rated Operational Voltage (Ue)	Terminal Capacity	Standards
B/C/D	230/400V 50/60Hz	25mm ²	EN60898-1 & EN60947-2

▲ Miniature circuit breakers - 6kA

- 6kA Short circuit breaking capacity.
- B or C curve overcurrent trip options
- Ratings from 6A to 63A
- Fully interchangeable with switched and unswitched neutral RCBO options



Rated Current	B Trip Curve				C Trip Curve			
	1 pole	2 poles	3 poles	4 poles	1 pole	2 poles	3 poles	4 poles
6A	G06-1B06	G06-2B06	G06-3B06	G06-4B06	G06-1C06	G06-2C06	G06-3C06	G06-4C06
10A	G06-1B10	G06-2B10	G06-3B10	G06-4B10	G06-1C10	G06-2C10	G06-3C10	G06-4C10
16A	G06-1B16	G06-2B16	G06-3B16	G06-4B16	G06-1C16	G06-2C16	G06-3C16	G06-4C16
20A	G06-1B20	G06-2B20	G06-3B20	G06-4B20	G06-1C20	G06-2C20	G06-3C20	G06-4C20
25A	G06-1B25	G06-2B25	G06-3B25	G06-4B25	G06-1C25	G06-2C25	G06-3C25	G06-4C25
32A	G06-1B32	G06-2B32	G06-3B32	G06-4B32	G06-1C32	G06-2C32	G06-3C32	G06-4C32
40A	G06-1B40	G06-2B40	G06-3B40	G06-4B40	G06-1C40	G06-2C40	G06-3C40	G06-4C40
50A	G06-1B50	G06-2B50	G06-3B50	G06-4B50	G06-1C50	G06-2C50	G06-3C50	G06-4C50
63A	G06-1B63	G06-2B63	G06-3B63	G06-4B63	G06-1C63	G06-2C63	G06-3C63	G06-4C63

Note: if using 6kA circuit breakers on a Three Phase board, a mounting kit will be required (See page 38).
4 pole MCBs cannot be used directly onto the TPN Busbar.

Protection	Breaking Capacity	RCD Type	Polarity	Standard	Modules
Overcurrent	6kA	A	Bi-Directional	BS EN 60898-1	1

▲ RCBOs - 1 Pole + Unswitched Neutral - Uni-Directional

• Suitable for use in TN-S, TN-C-S & TT Network systems*



Rated Current	Type A	
	10 kA B Trip Curve 30mA	10 kA C Trip Curve 30mA
6A	RCBO10-06/30/1MBA	RCBO10-06/30/1MCA
10A	RCBO10-10/30/1MBA	RCBO10-10/30/1MCA
13A	RCBO10-13/30/1MBA	RCBO10-13/30/1MCA
16A	RCBO10-16/30/1MBA	RCBO10-16/30/1MCA
20A	RCBO10-20/30/1MBA	RCBO10-20/30/1MCA
25A	RCBO10-25/30/1MBA	RCBO10-25/30/1MCA
32A	RCBO10-32/30/1MBA	RCBO10-32/30/1MCA
40A	RCBO10-40/30/1MBA	RCBO10-40/30/1MCA
45A	RCBO10-45/30/1MBA	RCBO10-45/30/1MCA

Type	Rated Operational Voltage (Ue)	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	25mm ²	600mm	EN61009-1

*Suitable for use in TT network system when the main switch is used as the point of installation.

▲ Steel Enclosures - Single Phase (IP65)



Part Number	Description	SPD Type	Protection/ Isolation device	Enclosure dimensions (HxWxD) mm
WME-SPD1PT1	IP65 Steel Enclosure fitted with Single Phase Type 1-2 SPD (SRG1123)	1-2	63A gG Fuse	400 x 300 x 150
WME-SPD1PT2	IP65 Steel Enclosure fitted with Single Phase Type 2 SPD (SRG1V1G)	2	40A 2P MCB	400 x 300 x 150

▲ Steel Enclosures - Three Phase (IP65)



Part Number	Description	SPD Type	Protection/ Isolation device	Enclosure dimensions (HxWxD) mm
WME-SPD3PT1	IP65 Steel Enclosure fitted with Three Phase Type 1-2 SPD (SRG3123)	1-2	63A gG Fuse	400 x 400 x 200
WME-SPD3PT2	IP65 Steel Enclosure fitted with Three Phase Type 2 SPD (SRG3V1G)	2	40A 3P MCB	400 x 300 x 150

Surge protection

▲ Type 1 & 2 Combined Surge Protection Devices



Part Number	Type	VAC	Description
SRG1123	1, 2	230V	Single phase - Type 1, 2



SRG3123	1, 2	400V	Three phase - Type 1, 2
---------	------	------	-------------------------

Nominal Discharge Current	Max Discharge Current	Earthing Systems	Voltage protection level	Standards
20kA 8/20µS	50kA 8/20µS	TN-C-S / TN-S / TT network systems	<1.3kV	EN61643-11

▲ Type 2 Surge Protection Devices



Part Number	Type	VAC	Description
SRG1V1G	2	230V	Single phase - Type 2



SRG3V1G	2	400V	Three phase - Type 2
---------	---	------	----------------------

Nominal Discharge Current	Max Discharge Current	Earthing Systems	Voltage protection level	Standards
20kA 8/20µS	40kA 8/20µS	TN-C-S / TN-S / TT network systems	<1.25kV	EN61643-11

Scan to access the CPD course on SPDs from our Lewden Academy



Accessories

▲ MCB accessories

- E10-SHT 230V AC/DC SHT
- E10-AUX Auxiliary Contact for 10kA MCB E10 range



Part Number
E10-SHT
E10-AUX

Note: Cannot be fitted onto MCBs located on the TPN Busbar.

▲ Installation contactors

- DIN Rail Mounted
- Can be fitted into extension boxes on Page 30



Rated Current	Volts	Poles	Part N.
20A	230V	2 N/O	IC20
40A		2 N/O	IC40/2
63A		4 N/O	IC63/4

IC20 max cable: 4mm sq
IC40/2 max cable: 10mm sq
IC63/4 max cable: 16mm sq

▲ 6kA MCB/RCBO/AFDD mounting kit

- Enables the use of 6kA circuit breakers within the TPN board.



Important note that the TPN board can be set up for either 10kA or 6kA devices according to the short circuit rating of the electrical supplier network. 10kA and 6kA circuit protection devices cannot be mixed.

Part Number	Description
E-TPNZB04	For use with 4 way TP&N board (E-TPN04LW)
E-TPNZB08	For use with 8 way TP&N board (E-TPN08LW)
E-TPNZB12	For use with 12 way TP&N board (E-TPN12LW)
E-TPNZB16	For use with 16 way TP&N board (E-TPN16LW)

▲ Single phase supply kit

- Converts TPN board to a single phase incoming 125A supply. For installation to the supply side of 3 or 4 pole incoming device.



Part Number
TPN-SPL

▲ MCB/RCBO/AFDD padlock

- Suitable for 6kA and 10kA MCB and RCBO in the "ON" or "OFF" position. Includes yellow, hazard indicator. Not suitable for incoming devices.



Part Number
MCBLOCK

▲ Multi-function din rail blank

- Increased safety blanks. Conceals unused ways. Fits directly in place of 1Pole MCB/RCBO to shroud unused outgoing ways. Suitable for use with both 6kA and 10kA breaker sets. Also compatible with Lewden single phase consumer units.



Part Number
MFDRB

▲ Door barrel key lock

- For extra security, supplied with 2 keys. Direct replacement for standard double bar locks on TPN boards and extension boxes.
- Fits all TP&N Distribution Boards and Extension boxes.



Part Number
E-TPNKL

▲ 18mm module blanks

- For door cut out 2 x 6 ways strips.
- Used for blanking of unused ways
- Use in conjunction with PI insulators



Part Number
CU-BL

▲ Phase insulators

- For blanking of unused outgoing ways. Pack Qty: 100. Fits directly to outgoing ways. For use in conjunction with CU-BL blanking strips.



Part Number
PI

▲ RCCB accessory kit

- TPN-RCCBAK is required where an RCCB is to be used as the incoming device.



Part Number
TPN-RCCBAK



The Electricians' Choice





3

Switchgear



The Electricians' Choice

SWITCHGEAR

Switch-up a gear by protecting your Electrical Systems with Lewden.

For safe distribution of power Lewden has designed Low-voltage Switchgear solutions. Control, protect, and isolate your power systems using Lewden Switchgear that assures unparalleled safety and reliability for diverse applications. Trust in our legacy of quality and innovation to secure your electrical systems.



> Fused Switches

- Insulated Thermosetting Polymer Enclosure.
- For single phase applications up to 100A
- For three phase applications: 32A - 125A.
- Easily configurable for top or bottom entry of incoming supply.

> Electricity Isolation

- Manufactured in durable ABS material.
- Applicable to residential premises installed between the kWh meter and consumer unit.
- Supplied complete with cable entry plugs.



> Isolators and Accessories

- Full rated AC3-AC23A switching category.
- Robust and wide enclosure.
- Pad-Lockable safety measure.
- High Visibility handles.



Sub distribution

▲ 100A DP metal fused switch



- Main switch or RCCB incomer options
- Supplied complete with 63A, 80A, and 100A gG fuses IEC60269-2 (BS88-2) Ø22x58mm
- Easily configurable for top or bottom entry of incoming supply cables
- 3 way Earth bar 25mm²



Part Number	Rated Current	Rated Voltage	Fuse Rating	Incomer
FS	100A	230VAC	N/A	Main Switch 100A DP
FS6380100	100A	230VAC	63A,80A,100A	Main Switch 100A DP
FS63	100A	230VAC	63A	Main Switch 100A DP
FS80	100A	230VAC	80A	Main Switch 100A DP
FS100	100A	230VAC	100A	Main Switch 100A DP
FR6380100	100A	230VAC	63A,80A,100A	RCCB 100mA class A (Time Delayed)

▲ Replacement fuses for FS6380100



Part Number	Rating	Type	Breaking Capacity	Standard
F063A	63A	22x58mm Cylindrical, General Purpose Gg	120kA, 500 VAC	IEC60269-2
F080A	80A			
F100A	100A			

▲ 80A domestic service fused switch

- Double Pole Switch
- Insulated Thermosetting Polymer Enclosure
- Supplied complete with 80A type ME fuse and cable duct



Part Number	Rated Current	Rated Voltage	Utilisation Category	Fuse
MSF	80A	230VAC 50Hz	AC21	IEC60269-3 (BS88-3)

Part Number	Descriptions
MSF-CD	Additional MSF100(CD) cable duct for MSF

▲ Replacement fuses for MSF



Part Number	Rating	Type	Breaking Capacity	Standard
ME080A	80A	ME, General Purpose Gg	33kA 415VAC	BS88-3 IEC60269-3

Electricity isolation

Provides electrical isolation between the DNO kWh meter and consumer unit or distribution board. The isolation switch permits the supply to the installation to be interrupted without withdrawing the DNO cut out fuse. Available as either an empty enclosure or with integrated main switch.



Manufactured from durable ABS material, the insulated enclosure features two separate interlocking covers, permitting the installation and separate security sealing of supply and load conductors.

Supplied complete with cable entry plugs to maintain ingress protection when DNO service head and meter are installed prior to consumer unit installation.



Covers can be sealed either by steel wire $\leq \text{Ø}3\text{mm}$ with lead crimp, or flat plastic zip tie $\leq 4\text{mm}$ width.

▲ Electricity isolator switch

- Available in 2 module enclosure complete with 100A DP Main Switch, or in 4 module enclosure complete with 100A 4P Main Switch.
- Ingress rating IP20 IK07
- Designed for use with 16mm² & 25mm² double insulated meter tails type 6181Y



Part Number	Enclosure modules	Dual Screw / Terminal	Main Switch
SLM2-DS	2	2 screws	100A DP
SLM2-MS	2	standard 1 screw	100A DP
SLM4-MS	4	standard 1 screw	100A 4P

▲ Electricity isolator switch enclosure

- Available in both 2 module and 4 module enclosure sizes.
- Designed for use with 16mm² & 25mm² double insulated meter tails type 6181Y
- Ingress rating IP20 IK07



Part Number	Enclosure modules	Main Switch
SLM2	2	-
SLM4	4	-

▲ Dual Screw Main Switch

- 100A DP main switch AC22A
- Dual 3mm allen screw terminals provide a higher security electrical connection



Part Number	Enclosure modules	Rating
GMS1002DS	2	100A DP

NEW



The Electricians' Choice

Switch Disconnectors

Technical data according to IEC60947-3	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current up to 690vac AC21A / AC22A	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current up to 400Vac AC23A	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational power AC23 up to 400Vac	52kW	65kW	85kW	105kW	130kW	165kW	210kW	330kW
Rated breaking capacity in category AC23 up to 400Vac	800A	1000A	1280A	1600A	2000A	2520A	3200A	5040A
Mechanical endurance operations	12000	10000	10000	10000	10000	8000	8000	8000
Bolted lug type terminal connection size (metric thread)	M6	M6	M8	M8	M8	M10	M10	M12
Neutral link size	250A	250A	250A	250A	250A	630A	630A	630A

Switch Fuses

Technical data according to IEC60947-3	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current 400Vac AC21A / AC22A / AC23A	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational power AC23 @ 400Vac	52kW	65kW	85kW	105kW	130kW	165kW	210kW	330kW
Rated breaking capacity in category AC23 (UPTO 400Vac pf 0.35)(0.45*)	800A*	1000A	1280A	1600A	2000A	2520A	3200A	5040A
Mechanical endurance operations	8000	8000	8000	7000	7000	7000	7000	4000
Bolted lug type terminal connection size (metric thread)	M8	M8	M8	M10	M10	M12	M12	M12
Fuse size (BS88 part 2) Breaking capacity 80KA @400Vac	TCP100	CTFP125	CTFP160	CTFP200	TKF250	TKF315	TMF400	TTM630
Fuse cartridge size (BS88 part 2)	A4	A4	A4	B2	B3	B3	B4	C2
Neutral link size	250A	250A	250A	250A	250A	630A	630A	630A

*Two poles in series

Switch disconnectors & switch fuses



▲ In Steel or GRP enclosure options

Robust and wide Enclosure

Powder Coated Steel or GRP Enclosure options guarantee high impact resistance and optimal chemical performances, and wide space for comfortable wiring.

Padlockable and door interlocked

Being Padlockable in the "off" position door interlocked in the "on" position, increases security in the installation environment.

IP65 Protection Rating

Every enclosure is protected from dirty and dusty environments and water jets from all directions.

Technical Data

Conformity to standards	IEC/EN 60947-3	Operating voltage	Up to 690V 50/60 Hz
Body material	Mild Steel or GRP (AISI304 stainless Steel available on request)	Resistance to impacts (IEC/EN 62262)	> IK10
Ingress Protection rating (IEC/EN 60529)	IP65	Insulation class	I Steel II GRP <input type="checkbox"/>
Colour	RAL7035	Fuse Type	BS88 Fuse cartridges (gG)
		Operating temperature	- 5 °C - + 40°C

Switch Disconnectors Range

Part Number	Rated current (A)	Poles	Enclosure	Dimensions (HxWxD) mm
207211	100A	3+N	Steel*	500x400x200
207221		3+N	GRP	505x450x220
207212	125A	3+N	Steel*	500x400x200
207222		3+N	GRP	505x450x220
207213	160A	3+N	Steel*	500x400x200
207223		3+N	GRP	430x340x180
207214	200A	3+N	Steel*	500x400x200
207224		3+N	GRP	505x450x220
207215	250A	3+N	Steel*	600x400x200
207216	315A	3+N	Steel*	700x500x200
207217	400A	3+N	Steel*	700x500x200
207218	630A	3+N	Steel*	800x600x300

3+N = 3 switched poles + Bolted neutral disconnection link.

Switch Fuse Range

Part Number	Rated current (A)	Poles	Enclosure	Dimensions (HxWxD) mm
207111	100A	3+N	Steel*	400x300x150
207121		3+N	GRP	430x340x180
207112	125A	3+N	Steel*	400x300x150
207122		3+N	GRP	430x340x180
207113	160A	3+N	Steel*	500x400x200
207123		3+N	GRP	505x450x220
207114	200A	3+N	Steel*	600x400x200
207124		3+N	GRP	505x450x220
207115	250A	3+N	Steel*	600x400x200
207116	315A	3+N	Steel*	700x500x200
207117	400A	3+N	Steel*	700x500x200
207118	630A	3+N	Steel*	800x600x300

Metal clad switch disconnectors & fused switch disconnectors



▲ Switch disconnector or fused switch disconnector in mild steel

Robust and wide IP65 Enclosures

Powder coated mild steel enclosures with a wide space for comfortable wiring, protected against the ingress of dust and water jets from all directions.

Fully rated to AC-23A category

The isolator switch is AC-23A at rated current that allows safe operation even with highly inductive loads (e.g. Motors, etc.).

Pad lockable and interlocked door

Increased security in the installation environment with the door padlock able in the 'OFF' position and interlocked in the 'ON' position.

Technical Data

Conformity to Standards	IEC60947-3	Operating voltage	Up to 690V 50/60 Hz
Body Material	Mild Steel	Resistance to impacts (IEC/EN 62262)	IK10
Ingress Protection Rating (EN60529)	IP65	Operating Temperature	
Colour	RAL 7035	Switch Disconnector	-25 to +55°C
Insulation Class	I	Fused Disconnector	-5 to +40°C

Switch disconnector range

Part Number	Rated current	Poles	Description	Dimensions (HxWxD) mm
IS324P	32A	3P+N	Steel Rotary Isolator 32A AC 23A	250x250x150
IS634P	63A	3P+N	Steel Rotary Isolator 63A AC 23A	250x250x150
IS804P	80A	3P+N	Steel Rotary Isolator 80A AC 23A	250x250x150
IS1004P	100A	3P+N	Steel Rotary Isolator 100A AC 23A	300x250x150
IS1254P	125A	3P+N	Steel Rotary Isolator 125A AC 23A	300x250x150

Fused disconnector range

Part Number	Rated current	Poles	Description	Dimensions (HxWxD) mm
FIS324P	32A	3P+N	Steel Fused Switch 32A AC 23A	300x250x150
FIS634P	63A	3P+N	Steel Fused Switch 63A AC 23A	400x300x150
FIS804P	80A	3P+N	Steel Fused Switch 80A AC 23A	400x300x150
FIS63804P	80A	3P+N	Steel Fused Switch 63A, 80A AC 23A	400x300x150
FIS1004P	100A	3P+N	Steel Fused Switch 100A AC 23A	500x300x150
FIS1254P	125A	3P+N	Steel Fused Switch 125A AC 23A	500x300x150
FIS1001254P	125A	3P+N	Steel Fused Switch 100A, 125A AC 23A	500x300x150

Rated operating current

Thermal current I _{th}	A	A					
		32	63	80	100	125	
AC21A	415V						
	500V	A	32	63	80	100	125
	690V						
AC22A	415V						
	500V	A	32	63	80	100	125
	690V						
AC23A	415V		32	63	80	100	125
	500V	A	25	63	63	80	100
	690V		25	40	40	63	63
AC23A	415V		15	30	37	45	55
	500V	KW	15	30	37	45	55
	690V		15	30	37	45	55

(50-60 Hz)

Fuse link and fuse holder ratings

Part Number	Fuse Links included as standard	Fuse Link IEC60269-2 Cylindrical
FIS324P	3x 32A gG	10x38mm
FIS634P	3x 63A gG	
FIS804P	3x 80A gG	
FIS63804P	3x 63A gG / 3x 80A gG	22x58mm
FIS1004P	3x 100A gG	
FIS1254P	3x 125A aM	
FIS1001254P	3x 100A gG/ 3x 125A aM	

gG: General Purpose Fuse
aM: Motor Protection Fuse

Switch Terminal Capacity line/load (min/max)	
32A	0.75-10 mm ²
63A-80A	1.5-35 mm ²
100A-125A	10-70 mm ²

Fuse Holder Terminal Capacity line/load (min/max)	
32A	1-25 mm ²
63A-100A	4-50 mm ²
125A	4-50 mm ²

Switch Disconnectors - Technopolymer



▲ Rotary switches in technopolymer

Lockable Switch

The handle is lockable in the OFF position and the front cover interlocked in the ON position, assuring the maximum security against unauthorised interventions.

Fully rated AC3 - AC23A switching category

The isolator Switch is AC3-AC23A at rated current permitting safe operation even with highly inductive loads (eg. Motors) (Excluding 100A).

Robust and wide enclosure

The enclosure is wider than the average on the market in order to achieve easier and faster wiring. The techno polymer construction ensures top level resilience to physical impact and chemicals.

*Flammability class V-0 (Switch) HB (enclosure).

Technical Data

Conformity to standards	IEC/EN 60947-3	Operating voltage	Up to 690V 50/60 Hz
Body material	Technopolymer	Resistance to impacts (IEC/EN 62262)	IK08
Ingress Protection Rating (IEC/EN 60529)	IP65	Insulation class	II □
Colour	RAL7035 (enclosure) RAL1018 (cover) RAL3020 (handle)	Glow Wire Resistance	960 °C Switch 650 °C Enclosure
		Operating temperature	-25°C - +60°C

Range

Part Number	Rated current (A)	Poles	Dimensions (HxWxD) mm
208162	16	2	158x121x126
208163		3	158x121x126
208164		4	158x121x126
208253	25	3	158x121x126
208254		4	158x121x126
208322	32	2	158x121x126
208323		3	158x121x126
208324		4	158x121x126
208403	40	3	250x158x139
208404		4	250x158x139
208632	63	2	250x158x139
208633		3	250x158x139
208634		4	250x158x139
208103	100	3	250x158x139
208104		4	250x158x139

Equipment included: with terminal cover.

Rated operating current

Thermal current I _{th}	A	16	25	32	40	63	100
AC21A	415V 500V	A	16	25	32	40	63 100
AC22A	415V 500V	A	16	25	32	40	63 100
AC23A	230V 400V 500V	A	16	25	32	40	63 63
AC23A	230V	KW	5.1	8.0	10.2	12.7	20.1 20.1
	400V		8.9	13.9	17.7	22.2	34.9 34.9
	500V		11.1	17.3	22.2	27.7	43.6 43.6
	690V		15.3	23.9	30.6	38.2	60.2 60.2
AC3	230V	KW	5.1	8.0	10.2	12.7	15.9 15.9
	400V		8.9	13.9	17.7	22.2	27.7 27.7
	500V		11.1	17.3	22.2	27.7	34.6 34.6
	690V		15.3	23.9	30.6	38.2	47.8 47.8

(50-60 Hz)

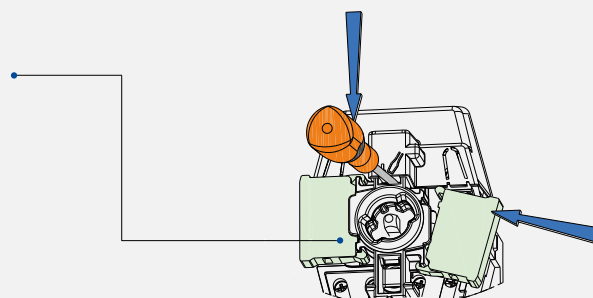
Terminal specifications:	16A	25A	32A	40A	63A	100A
Entry sections	mm ²	1 - 10			6 - 35	
Tightening torque	Nm	2			3	

Accessories

Auxiliary contacts for switches up to 16-100A (Max 2)

Contact type	Lewden code
1 NC Late Break	270326
1 NO Late Make	270327
1 NC Simultaneous	270330
1 NO Make/Break	270331
1 NO + 1 NC	270332

Characteristics: code 270332 is composed of 2 single contacts.



Switch Disconnectors - Metal Clad



▲ 16A - 125A die cast aluminium alloy

Full rated AC23A switching category

The isolator Switch is AC23A utilisation, permitting safe operation even with highly inductive loads (e.g. Motors).

Modular Construction

Options for switched or solid neutral pole & multiple auxiliary contacts.

Padlockable and door interlocked

Padlockable in the "off" position and door interlocked in the "on" position, increase security in the installation environment.

Technical Data

*Padlock not included



Conformity to standards	EN 60947-3 EN60529	Operating voltage	Up to 690V 50/60 Hz
Body material	Aluminum Alloy	Resistance to impacts (IEC/EN 62262)	IK08
Ingress Protection Rating (IEC/EN 60529)	IP67	Insulation class	I
Colour	RAL7046 (enclosure)	Glow Wire Resistance	960 °C Switch
		Operating temperature	-25 to +55 °C

Range

Part Number	Rated current (A)	Poles	Dimensions (HxWxD) mm
206162	16	2	150x105x129
206163		3	150x105x129
206164		4	150x105x129
206202	20	2	150x105x116
206203		3	150x105x116
206204		4	150x105x116
206252	25	2	150x105x129
206253		3	150x105x129
206254		4	150x105x129
206323	32	3	150x105x129
206324		4	150x105x129
206402		2	150x105x129
206403	40	3	150x105x129
206404		4	150x105x129
206632		2	200x135x129
206633	63	3	200x135x129
206634		4	200x135x129
206803		3	200x135x129
206804	80	4	200x135x129
206103		3	320x205x156.6
206104		4	320x205x156.6
206123	125	3	320x205x156.6
206124		4	320x205x156.6

Rated operating current

Thermal current Ith	A	16	25	32	40	63	80	100	125	
AC21A	415V									
	500V	A	16	25	32	40	63	80	100	125
AC22A	690V									
	415V									
AC22A	500V	A	16	25	32	40	63	80	100	125
	690V									
AC23A	415V			25	32	40	63	80	100	125
	500V	A	16	20	25	32	63	63	80	100
AC23A	690V			20	25	25	40	40	63	63
	415V			11	15	18.5	30	37	45	55
AC23A	500V	KW	7.5	11	15	18.5	30	37	45	55
	690V			15	15	15	30	37	45	55

(50-60 Hz)

Terminal specifications:	16A	25A	32A	40A	63A	80A	100A	125A
Enclosed Switch	mm ²	0.75 - 6		1.5 - 25		10 - 50		
Switch Body	mm ²	0.75 - 10		1.5 - 35		10 - 70		

Accessories

Auxiliary Contacts*				
Part No.	Config.	Module Width (mm)	Parameters	Ui Uimp
206911	1NO+1NC	9mm	AC-13:10A 230V~ AC-15:6A 230V~	600V 6KV

*Suitable for all models

Add on Neutral pole (unswitched)			
Part No.	Config.	Compatible with switches	width (mm)
206940	40A unswitched	16-40A	12
206980	80A unswitched	63-80A	17.5
206912	125A unswitched	100-125A	23.8

16-40A Switches
Maximum add on blocks
4x Auxiliary (206911) or
3x Auxiliary (206911) +
1 N pole (206940)

63-80A switches
Maximum add on blocks
4x Auxiliary (206911) or
2x Auxiliary (206911) +
1 N pole (206980)

100-125A Switches
Maximum add on blocks
4x Auxiliary (206911) or
3x Auxiliary (206911) +
1 N pole (206912)

Switch Disconnectors - Fire rated



▲ Fire rated F400 isolator switch in aluminium alloy

High visibility handle

The high visibility operating handle, patented by Palazzoli, allows even non-expert users to immediately understand the switch status.

Full rated AC3-AC23A category

The isolator Switch is AC3-AC23A at rated current that allows safe operation even with highly inductive loads (e.g. Motors).

Customisable entry flanges

Cable entries can be easily customised by using blind or threaded flanges.



Scan the QR code to explore our complete range of Isolator Switches.

Technical Data

Conformity to standards	EN 60947-3 / EN12101-3 (400°C for 120 minutes)	Operating Voltage	Up to 500V
Body material	Aluminium alloy	Resistance to impacts (IEC/EN 62262)	IK10
Ingress Protection Rating (IEC/EN 60529)	IP66/IP67 (16A-63A) IP55 (125A-200A)	Insulation class	I
Colour	RAL7035 - Base RAL3020 - Cover	Glow Wire Resistance	960 °C Switch
		Operating temperature	-25°C - +70°C

Range

Part Number	Rated current (A)	Poles	Dimensions (HxWxD) mm	Window Type
152130	16	3	125x92x138	blind walls
152140		4		blind walls
152160	25	6	185x125x173	blind walls
152230		3		blind walls
152240		4		blind walls
152260	40	6	252x185x230	blind walls
152330		3		blind walls
152340		4		blind walls
152360		6		blind walls
152430	63	3	315x220x240	blind walls
152440		4		blind walls
152460		6		blind walls
152530*	125	3	315x220x240	F3
152540*		4		
152631*	160	3	315x220x240	F3
152641*		4		
152630*	200	3	315x220x240	F3
152640*		4		

See accessories table below

Equipment included: earth terminal, inside and outside the box. Gasket.
* The protection rating is IP55. Wall-mounted isolator switches with windowed walls.
* 2xFlanges required from selection below.

Rated operating current

Thermal current Ith	A	16A	25A	40A	63A	125A	160A	200A	
AC21A	415V 500V	A	16	25	40	63	125	160	200
AC22A	415V 500V	A	16	25	40	63	125	160	200
AC23A	230V 400V 500V	A	16	25	40	63	125	160	200
AC23A	230V 400V 500V	KW	5.1	8.0	12.7	20.1	31.8	51.0	63.7
AC23A	400V 500V	KW	8.9	13.9	22.2	34.9	55.4	88.7	110.9
AC3	230V 400V 500V	KW	4.5	6.4	11.2	17.5	25.5	25.5	31.9
AC3	400V 500V	KW	7.8	11.1	19.4	30.5	44.3	44.3	55.4
			9.7	13.9	24.2	38.1	55.4	55.4	51.9

Wiring data	16A	25A	40A	63A	125A	160A	200A
Entry cable cross-section	mm ²	1-4	1.5-6	4-10	6-16	16-70	16-70
Tightening torque	Nm	1,5		2	3	6	6

Accessories

Flanges, in aluminium alloy with metric thread & Blind Flange flat, in steel for windowed walls

For windows	Threading type	Projection (mm)	Palazzoli code
F3	M40	51	540190
F3 (Blind)	-	6	540033



Cable glands in nickel-plated brass with metric threading IP68

Threading	Max mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12,5	2.5-6.5	6.5	582012	100
M16x1,5	16,5	4-9.5	7	582016	50
M20x1,5	20,5	7-13	8	582020	50
M25x1,5	25,5	8-16	8	582025	25
M32x1,5	32,5	11-21	9	582032	20
M40x1,5	40,5	15-27	9	582041	10
M50x1,5	50,5	22-35	10	582050	5



The Electricians' Choice

▲ Changeover Switch

- 3 Position 4P changeover switch c/w common output link bars
- 100A AC22A
- IP65
- Centre OFF position
- Plastic enclosure



Part Number	Descriptions
CS1004P	100A (AC22A) 4pole changeover switch

▲ Fire Alarm Switch

- Reliable and safe fire alarm
- Ideal for the supply of Fire Alarm systems within commercial/industrial properties.



Part Number
FAU456



4

Enclosures and junction boxes



The Electricians' Choice

ENCLOSURES AND JUNCTION BOXES

Designed for durability, Engineered for Safety.

Protection and management of electrical systems are paramount in any setting, be it residential, commercial, or industrial. Lewden's range of enclosures and junction boxes is a testament to this understanding. Our enclosures are designed to withstand challenging environments, ensuring that your electrical installations are secure and always protected. From weather-resistant outdoor options to sleek, unobtrusive designs for indoor use, our products meet the diverse needs. Additionally, our junction boxes offer unparalleled ease of installation and maintenance, coupled with the flexibility to suit various applications. Lewden designs solutions that stand the test of time, reflecting - unwavering commitment to quality, innovation, and customer satisfaction.



> Enclosures

Available in GRP, stainless steel, mild steel and die cast aluminium alloy. Flexible and cost-effective solutions for industry, commerce, rail, power distribution, switching automation, control and monitoring. Widely used in specialist areas like food production and exposed outdoor or coastal areas (marine + oil) prone to corrosion for enhanced protection serving broad applications in outdoor environments from weather exposed facilities to outdoor surveillance equipment - solutions for all.



> Modular Enclosures

Available in Insulated weatherproof models and IP20 extra height variants broadly applied in local area networking, industrial applications, and telecommunications sector.

> Junction Boxes

A selection of materials including thermoplastic, aluminium alloy, etc.

▲ Mild Steel enclosures (IP65 Range)

- Complete with mild steel equipment mounting plate
- 1.2mm sheet steel
- Epoxy powder coated RAL7035
- Polyurethane door gasket
- Reversible door
- Recessed gland plate
- Double bar lock



Part Number	Dimensions (WxHxD)	IP Protection Degree	Modules Number
WME-3025/200	300 x 250 x 200mm	IP65	Steel
WME-33/150	300 x 300 x 150mm	IP65	Steel
WME-43/150	400 x 300 x 150mm	IP65	Steel
WME-44/200	400 x 400 x 200mm	IP65	Steel
WME-64/200	600 x 400 x 200mm	IP65	Steel
WME-65/200	600 x 500 x 200mm	IP65	Steel
WME-66/200	600 x 600 x 200mm	IP65	Steel
WME-75/200	700 x 500 x 200mm	IP65	Steel
WME-86/200	800 x 600 x 200mm	IP65	Steel
WME-86/300	800 x 600 x 300mm	IP65	Steel
WME-54/200	500 x 400 x 200mm	IP65	Steel

▲ 304 Stainless steel enclosures

- Complete with mild steel equipment mounting plate
- Polyurethane door gasket
- Reversible door
- Recessed gland plate
- Double bar lock



Part Number	Dimensions(WHd)	IP Protection Degree	Manufacturing Material
SSE-2525/150	250 x 250 x 150mm	IP65	Stainless steel AISI 304
SSE-3025/200	300 x 250 x 200mm	IP65	Stainless steel AISI 304
SSE-33/150	300 x 300 x 150mm	IP65	Stainless steel AISI 304
SSE-43/150	400 x 300 x 150mm	IP65	Stainless steel AISI 304
SSE-44/200	400 x 400 x 200mm	IP65	Stainless steel AISI 304
SSE-54/200	500 x 400 x 200mm	IP65	Stainless steel AISI 304

Accessories

Part Number	Description
WME-KL	Key Lock for metal enclosures
WME-WMK	Wall mounting kit for metal enclosures

▲ TAIS CUBE GRP enclosures with blind door - with steel back plate

- Distribution and automation board for heavy-duty applications.
- Composed of 7 sizes in each version with blind or transparent door.
- All elements are simply fixed with the "Click Cube" snap-in system.
- Allow an opening wider than 180°.
- Includes key with triangular insert and screw cover caps for double insulation.
- IP66 protection rating as per IEC/EN 60529.
- IK10 impact resistance as per IEC/EN 62262.
- Thermosetting (GRP) material.
- Supplied with Steel Back Plate



Part Number	Dimensions (WxHxD)	IP Protection Degree	Manufacturing Material
550011	258 x 304 x 160mm	IP66	Thermosetting GRP
550012	340 x 430 x 180mm	IP66	Thermosetting GRP
550013	449 x 506 x 220mm	IP66	Thermosetting GRP
550014	450 x 655 x 220mm	IP66	Thermosetting GRP
550015	558 x 655 x 260mm	IP66	Thermosetting GRP
550016	631 x 807 x 300mm	IP66	Thermosetting GRP
550017	848 x 1058 x 350mm	IP66	Thermosetting GRP

▲ Back plates

Back plate in steel	Back plate in thermosetting (GRP)
550601	550621
550602	550622
550603	550623
550604	550624
550605	550625
550606	550626
550607	-

▲ TAIS CUBE GRP enclosures with transparent door

- Distribution and automation board for heavy-duty applications.
- Composed of 7 sizes in each version with blind or transparent door.
- All elements are simply fixed with the "Click Cube" snap-in system.
- Allow an opening wider than 180°.
- Includes key with triangular insert and screw cover caps for double insulation.
- IP66 protection rating as per IEC/EN 60529.
- IK10 impact resistance as per IEC/EN 62262.
- Thermosetting (GRP) material.



Part Number	Dimensions (WxHxD)	IP Protection Degree	Manufacturing Material
550031	258 x 304 x 160mm	IP66	Thermosetting GRP
550032	340 x 430 x 180mm	IP66	Thermosetting GRP
550033	449 x 506 x 220mm	IP66	Thermosetting GRP
550034	449 x 656 x 220mm	IP66	Thermosetting GRP
550035	558 x 656 x 260mm	IP66	Thermosetting GRP
550036	631 x 807 x 300mm	IP66	Thermosetting GRP
550037	848 x 1058 x 350mm	IP66	Thermosetting GRP

▲ IP65 Metal enclosure

- Metal enclosure for internal or external use for industrial, residential or commercial installations.
- Aluminium alloy construction.
- Weatherproof.



Part Number	Modular Ways	Dimensions HxWxD (mm)
PRO65-CU06	6	264 x 167.5 x 105

▲ IP65 Polycarbonate enclosure

- Polycarbonate enclosure for external or internal use for industrial, residential or commercial installations.
- UV Resistant
- Good for Outdoor Installations.
- Weatherproof.



Part Number	Modular Ways	Dimensions (HxWxD)
4/65ENC	4	200 x 128 x 100mm
6/65ENC	6	200 x 164 x 100mm
9/65ENC	9	200 x 218 x 100mm
13/65ENC	13	230 x 296 x 120mm
15/65ENC	15	230 x 332 x 120mm
18/65ENC	18	230 x 380 x 120mm
26/65ENC	26	390 x 296 x 130mm

▲ Insulated IP65 enclosure

- 35mm din rail for component mounting
- Neutral and Earth bars
- Neutral flex for connection of the incoming device to the neutral bar
- Single pole comb busbar
- ABS Construction.



Part Number	Dimensions (WxHxD)	Modular ways	IP Protection Degree
4/55ENC	226 x 118 x 102mm	4	IP55
8/55ENC	226 x 193 x 102mm	8	IP55

▲ IP20 Module enclosure extra height

- IP20 Ingress Protection Rating
- 2 Module Insulated Enclosures
- Extra height enclosure
- Made from ABS material.



Part Number	Dimensions (WxHxD)	Modular ways	IP Protection Degree	Manufacturing Material
X2MOD	160 x 50 x 62mm	2	IP20	ABS
X4MOD	160 x 85 x 62mm	4	IP20	ABS



The Electricians' Choice

Thermoplastic Junction Boxes

A range of robust Insulation class II ABS enclosures, available in IP44 & IP56* ingress protection, with an IK rating of IK08 with an operating temperature of -25°C to + 60°C. Glow Wire Tested to 650°C.

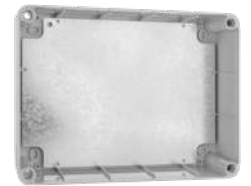
Scan the QR code to view our entire range of Thermoplastic Junction Boxes



Rectangular boxes include raised screw slots for mounting terminals, mounting plates and other devices. Covers are secured by either ¼ turn fixings or captive threaded screw fixings and are affixed to the main enclosure via retention cords.



Supplied with optional fit external wall lugs with horizontal and vertical fixing screw slots for easy alignment.



Mounting Plates are available for selected sizes.



Round Junction box includes 4 pierceable cable glands which grip cable and form around the cable to maintain ingress protection.



Provision for Anti-tamper seal on cover screws.



Supplied with weatherproof caps to provide ingress protection for internal fixing holes.

▲ Round junction box

- Push fit cover with retention cord
- Supplied complete with optional fit external wall lugs
- Four easy pierce cable glands



Part Number	Internal Dimensions	IP Rating	IK Rating
791002	80 x 40mm	IP44	IK08

▲ Rectangular junction boxes

- ¼ turn cover retention screws
- Cover Retention cords aid final installation
- Supplied complete with optional fit external wall lugs



Part Number	Internal Dimensions	IP Rating	IK Rating
791234	100 x 100 x 50mm	IP56	IK08
791236	150 x 110 x 70mm	IP56	IK08

- 791207 Cover retention by ¼ turn fixing, heavy duty threaded screws on other boxes
- Cover Retention cords aid final installation
- Supplied complete with optional fit external wall lugs
- Optional equipment mounting plate (galvanized steel) sold separately



Part Number	Internal Dimensions	IP Rating	IK Rating
791207	190 x 140 x 70mm	IP56	IK08
791208	240 x 190 x 90mm	IP56	IK08
791209	300 x 220 x 120mm	IP56	IK08
791210	380 x 300 x 120mm	IP56	IK08

Mounting plates are optional.

▲ Mounting plates

- Optional Mounting plates for Part numbers 791207 - 791210
- Made from Galvanized steel plate
- Supplied with fixing screws to securely mount into Junction Box



Part Number	Dimensions	Compatible Junction Box Part Number
791615	180 x 127mm	791207
791616	228 x 168mm	791208
791617	285 x 205mm	791209
791618	350 x 270mm	791210

▲ Junction boxes - Aluminium alloy

- Best use for standard applications
- Suitable for environments with aggressive atmosphere present
- Boxes suited for DIN rail mounting horizontally or vertically using M4x6 self-tapping screws
- Back box and cover are treated with ecological anticorrosion passivation
- IP66/IP67 protection rating as per IEC/EN 60529
- IK08 impact resistance as per IEC/EN 62262
- Aluminium alloy material in surface treatment of passivation with fluoro-zirconium



Part Number	Dimensions (WxHxD)	IP Protection Degree	Manufacturing Material
520009	100 x 100 x 59mm	IP66/IP67	Aluminum alloy
520011	115 x 140 x 61mm	IP66/IP67	Aluminum alloy
520012	141 x 166 x 64mm	IP66/IP67	Aluminum alloy
520014	168 x 192 x 80mm	IP66/IP67	Aluminum alloy
520019	217 x 253 x 93mm	IP66/IP67	Aluminum alloy
520020	264 x 314 x 122mm	IP66/IP67	Aluminum alloy
520021	315 x 410 x 150mm	IP66/IP67	Aluminum alloy

▲ Combinable junction boxes - Aluminium alloy

- Best use for heavy-duty applications.
- Available in versions totally blind suitable to be drilled with threaded holes, or with window on the sides that allows for modular with back plate made of zinc-tropicalized steel sheet
- Free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes.
- Options of IP55 and IP67 protection rating as per IEC/EN 60529.
- IK10 impact resistance as per IEC/EN 62262.
- Aluminium alloy material in surface treatment of passivation with fluoro-zirconium, painted in hot-polymerized non-toxic polyester.



Part Number	Dimensions (WxHxD)	IP Protection Degree	Manufacturing Material
511110	92 x 92 x 42mm	IP67	Marine aluminium alloy (EN 44300)
511210	125 x 125 x 63mm	IP67	Marine aluminium alloy (EN 44300)
511212	125 x 125 x 63mm	IP67	Aluminum alloy
511214	125 x 125 x 63mm	IP67	Marine aluminium alloy (EN 44300)
511220	185 x 125 x 63mm	IP67	Marine aluminium alloy (EN 44300)
511222	185 x 125 x 63mm	IP67	Aluminum alloy
511224	185 x 125 x 63mm	IP67	Aluminum alloy
511232	252 x 125 x 63mm	IP67	Aluminum alloy
511234	252 x 125 x 63mm	IP67	Aluminum alloy
511210	125 x 125 x 63mm	IP67	Marine aluminium alloy (EN 44300)
521214	155 x 155 x 63mm	IP55	Marine aluminium alloy (EN 44300)
511310	185 x 185 x 95mm	IP66	Marine aluminium alloy (EN 44300)
511312	185 x 185 x 95mm	IP55	Aluminum alloy
511314	185 x 185 x 95mm	IP66	Marine aluminium alloy (EN 44300)
511320	252 x 185 x 95mm	IP66	Marine aluminium alloy (EN 44300)
511322	252 x 185 x 95mm	IP55	Aluminum alloy
511324	252 x 185 x 95mm	IP66	Marine aluminium alloy (EN 44300)
521314	220 x 220 x 95mm	IP66	Marine aluminium alloy (EN 44300)
511412	252 x 252 x 140mm	IP55	Aluminum alloy
511414	252 x 252 x 140mm	IP66	Marine aluminium alloy (EN 44300)
511420	315 x 252 x 140mm	IP66	Marine aluminium alloy (EN 44300)
511422	315 x 252 x 140mm	IP55	Aluminum alloy
511424	315 x 252 x 140mm	IP66	Marine aluminium alloy (EN 44300)
511452	507 x 252 x 140mm	IP66	Marine aluminium alloy (EN 44300)
521414	295 x 295 x 105mm	IP66	Marine aluminium alloy (EN 44300)
511512	315 x 315 x 140mm	IP55	Aluminum alloy
511514	315 x 315 x 140mm	IP66	Marine aluminium alloy (EN 44300)
511612	373 x 373 x 140mm	IP55	Aluminum alloy
511614	373 x 373 x 140mm	IP66	Marine aluminium alloy (EN 44300)
511632	507 x 373 x 140mm	IP55	Aluminum alloy
511634	507 x 373 x 140mm	IP66	Aluminum alloy
511642	630 x 373 x 140mm	IP55	Aluminum alloy
511822	630 x 507 x 140mm	IP55	Aluminum alloy
511824	630 x 507 x 140mm	IP66	Aluminum alloy



5

Control Gear



The Electricians' Choice

CONTROL GEAR

Control Gear for Precision Operation.

For you to have control every step of the way, Lewden has developed solutions with user-friendly functionality to cater to both contemporary and traditional electrical needs. Our Control gear features an selection of DIN Rail Terminals – crafted for seamless connectivity and robust performance; Timers – that offer precise time management solutions tailored for various settings. The range also encompasses Installation Contactors and Bell Transformers, essentials for reliable and efficient electrical installations. Trust Lewden to certainly deliver safety, and durability in your distribution systems.



> Control Devices

- Safeguard applications and save power with Lewden's variety of Contactors, Timers, and Bell Transformers



Time Clocks (switches)

▲ 24 Hour / 72 Hour Reserve Timer

- DIN Rail mountable.
- Single Channel 24hr Time Clock.
- Settable in 15 min segments.



Part Number	Rated Current	Rated Operating Voltage	Device Modules
TC1M	16A	230V	1

▲ Digital 7 Day Timer

- DIN Rail mountable.
- Digital Time Clock.
- Single Channel 24hr 7 day programmable.



Part Number	Rated Current	Rated Operating Voltage	Device Modules
DTC	16A	230V	2

▲ Staircase Timer

- DIN Rail mountable.
- Staircase timer - 30sec to 20min.



Part Number	Rated Current	Rated Operating Voltage	Device Modules
TCS	16A	230V	1

▲ Installation Contactors

- N/O poles.
- 230V AC contactor for domestic applications & DIN rail mounting.
- Suitable for housing within a consumer unit or modular enclosure.



Part Number	Rated Current	Rated Operating Voltage	Device Modules
IC20	20A	230V	1
IC40/2	40A	230V	2
IC24/4	24A	230/400V	2
IC63/4	63A	230/400V	3

▲ Bell Transformers - 8VA

- Rated voltage (primary) 230V/50Hz.
- Rated output current 1A/8V, 0.67A/12V and 0.33A/24V.
- Maximum cable capacity 4mm.
- Multiple voltage output options 4,8,12,16,24V.
- DIN Rail mounting.



Part Number	Rated Operating Voltage	For Cables Ø
BT	230V	< 4 mm ²

Output	Rated Current	Terminals
4V	2A	2-3
8V	1A	1-2
12V	0.66A	1-3
16V	0.5A	2-4
24V	0.33A	1-4

▲ 13 A RCD protected socket outlet - Type A

- Type A RCD
- Double pole switching
- Passive RCD (automatically resets following a mains supply failure)
- Complies to BS1363-2:2016 +A1 2018 / BS7288:2016
- Can be used to replace a standard 13A 2 gang socket outlet
- Indoor use only
- Supplied without backbox



Part Number	Rated Current	Rated Operating Voltage	Poles	IP Protection Degree
RCDSWSA	13A	● 230V	2P+±	IP2X

▲ 13A RCD protected socket outlet - Metal clad - Type A

- Type A RCD
- High impact resistance
- Double pole switching
- Rear mounting box 35mm deep with 20mm knockouts to all faces
- Passive RCD (automatically resets following a main supply failure)
- Complies to BS1363-2:2016+A12018 / BS7288:2016
- Indoor use only



Part Number	Rated Current	Rated Operating Voltage	Poles	IP Protection Degree
RCDSMSA	13A	● 230V	2P+±	IP2X



6

Terminal Blocks



The Electricians' Choice

INNOVATIVE DESIGN

Facilitating efficient connections with Flexibility and Ease.

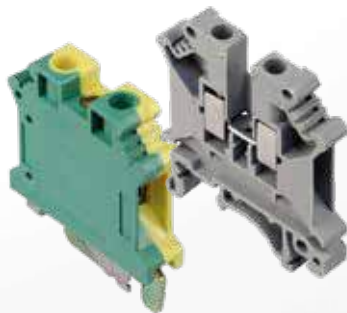
Lewden's Terminal Blocks represent electrical expertise and innovative design. Engineered for diverse applications, from complex industrial machinery to renewable energy systems, the range offers unparalleled durability and versatility. It is crafted for seamless integration, ensuring reliability, safety, and efficiency. Trust Lewden for connections that power progress in every industry.

▲ The terminal blocks can be connected side by side in an easy click modular system.





▲ DIN Rail terminals



> Accessories

- Additional Circuit protection for a complete consumer unit
- Safeguard applications and save power with Lewden's variety of Contactors, Timers, and Bell Transformers refer to page 62

▲ Distribution Terminal Blocks

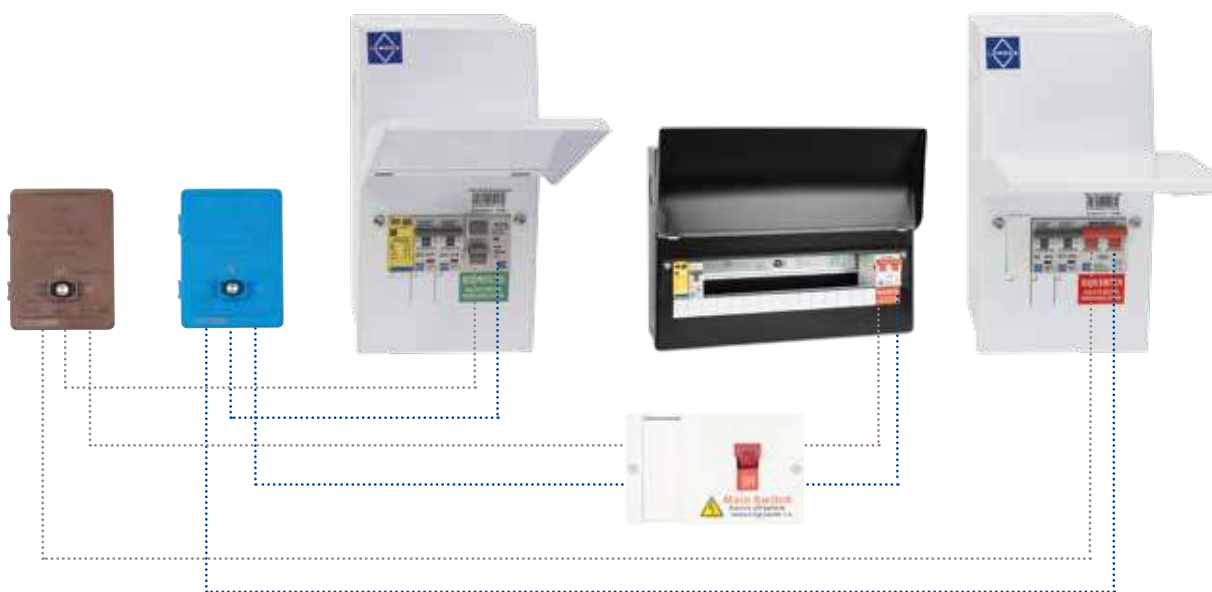
- 5 Way Single Pole Distribution Terminal Blocks - 100A <690VAC
- Can accept up to 5 conductors with a generous cable capacity from 2.5 to 35mm².
- Dual screw terminations to ensure secure and reliable connections.
- Ingress Protection IP20; 960°C glow wire tested
- Secure cover with wire locking capability.
- Colour coded for easy identification.
- Sold in a box quantity of 5 per color



Part Number	Colours	Dimensions H x W x D (mm)
DT1005BR	Brown (L1)	68 x 50 x 43.5
DT1005BK	Black (L2)	68 x 50 x 43.5
DT1005GY	Grey (L3)	68 x 50 x 43.5
DT1005BL	Blue (N)	68 x 50 x 43.5
DT1005GN	Green (Earth)	68 x 50 x 43.5
DT1005PK	Pink (Functional Earth)	68 x 50 x 43.5

Designed for secure terminations

Across various applications, offering simplicity in installation and maintenance.



Accessories

	<p>Jumperbar</p> <p>2.5JUMPERBAR</p> <p>Connects 10 x GT2.5 Stainless Steel</p>
	<p>End cap for GT2.5-GT16</p> <p>T-EC</p> <p>Fits Grey DIN Rail Terminals GT2.5 - GT16</p>
	<p>Steel</p> <p>DINRAIL</p> <p>Steel 5x1m Lengths per pack</p>
	<p>End stop</p> <p>T-ES</p> <p>Technopolymer recyclable material</p>
	<p>ID marker</p> <p>ID3 ID5 ID10 ID16 ID6/35</p> <p>Technopolymer recyclable material</p>
	<p>Bus bars</p> <p>SPB-1P 2PB-1P 3PB-1P 4PB-1P</p> <p>Insulated busbar 100A pin type Supplied in 1m lengths</p>

▲ Green / Yellow earth DIN rail terminals



Part Number	Rated Current
ET2.5	24A
ET4	32A
ET6	41A
ET10	57A
ET16	76A
ET35	125A

▲ Grey DIN rail terminals



Part Number	Rated Current
GT2.5	24A
GT4	32A
GT6	41A
GT10	57A
GT16	76A
GT35	125A



7

EV Ecosystem



The Electricians' Choice

EV ECOSYSTEM

A comprehensive solution for the evolving needs of electric mobility.

As the world moves toward a more sustainable future, the shift to electric vehicles (EVs) is accelerating rapidly. However, the success of this revolution depends not only on the vehicles themselves but also on the robust infrastructure that supports them. Lewden offers a comprehensive EV ecosystem that ensures efficient, safe, and scalable charging solutions for both residential and commercial applications.



For residential installations, Lewden offers a complete suite of products that seamlessly integrate into existing electrical systems, ensuring safety, compliance, and ease of use. The recently launched Siena 7.4kW Smart Charger, coupled with Lewden's specialized EV consumer units, enables households to easily adopt EV charging while ensuring optimal load management and protection.

In the commercial sector, Lewden's EV solutions are designed to meet the demands of large-scale operations. From customizable EV Feeder Pillars to advanced three-phase distribution boards, Lewden provides the flexibility and reliability required to power multiple charging stations in complex environments, such as public car parks and commercial spaces.

By integrating all components into a cohesive ecosystem, Lewden ensures that every charging experience - whether residential or commercial - is reliable, future-ready, and sustainable.



> Smart Connectivity

- Control your charging through the Monta app using Wi-Fi, Bluetooth, or Ethernet for complete convenience.



> Customizable EV Feeder Pillars

- EV Feeder Pillars offering highly customizable power distribution across multiple charging points. Tailored to deliver between 100A and 630A, these pillars can be adapted to various applications, from large car parks to public charging stations.



> EV Consumer Units

- Designed for residential retrofitting applications where EV chargers are to be added to an existing installation.
- Options for both Indoor and Outdoor installations
- Suitable for use with 7.4 kW residential EV chargers.



> Terminal Blocks

- 5 Way Single pole distribution terminal blocks - 100A, crafted for seamless integration, ensuring reliability, safety and efficiency.
- More information on Pages 71-76.



> 7.4 kW Siena AC Charger

- Available as Un-tethered socket outlet and Tethered Outlet with 5M charging cable.
- Smart connectivity through the Monta app using Wi-Fi, Bluetooth, or Ethernet for complete convenience.



> Pro Consumer Units with Surge Protection

- A comprehensive consumer unit range comprising a 100A DP main switch with overload and residual current protection provided on each individual final circuit by RCBOs.
- More information on Page 16.



> Sub Distribution

- 100A DP Metal Fused Switch & 80A Domestic Fused Switch
- More information on Page 46.



> Electricity Isolation

- Electricity Isolator & Switch available in 2 module enclosure complete with 100A DP Main Switch, or in 4 module enclosure complete with 100A 4P Main Switch.
- More information on Page 47.

CUSTOMIZABLE DISTRIBUTION CABINETS FOR MULTIPLE EV CHARGING TAILOR-MADE TO SUIT YOUR BESPOKE NEEDS

The Lewden range of EV Feeder Pillars are designed to provide power distribution to multiple EV charging points.

- > The standard range is available in five different current ratings 100A, 125A, 200A, 400A & 630A.
- > Enclosures are manufactured from durable steel finished with textured powder coat, and ingress protection of IP55 (A selection of RAL Colours available) vandal-resistant lockable doors, pre-drilled gland plates for easy termination of armoured cables, a base plinth for stable surface mounting, and an access cover to facilitate cable routing and installation.
- > Internal shielding panels fully shroud electrical connections.
- > Type 2 Surge protection device.



> Product Selection table

Incoming Supply	Outgoing Ways and Ratings	Part Number
100A TPN+E	9 x 7.4kW - 1ph	EV10A*#
	3 x 22kW - 3ph	EV10B*#
	1 x 50kW - 3ph	EV10C*#
125A TPN+E	12 x 7.4kW - 1ph	EV12A*#
	4 x 22kW - 3ph	EV12B*#
	2 x 43kW - 3ph	EV12C*#
200A TPN+E	18 x 7.4kW - 1ph	EV20A*#
	3 x 43kW - 3ph	EV20B*#
400A TPN+E	12 x 22kW - 3ph	EV40A*#
	6 x 43kW - 3ph	EV40B*#
	5 x 50kW - 3ph	EV40C*#
630A TPN+E	18 x 7.4kW - 3ph	EV63A*#
	10 x 43kW - 3ph	EV63B*#
	7 x 50kW - 3ph	EV63C*#

* = Construction Material * Option - Zintec Mild Steel = Z or Stainless Steel = S
 Ordering Example : EV10AZD # = Incoming Device # Option - Switched Disconnecter = D or MCCB = M
 All Pillars are equipped with Type 2 Surge and Anti Condensation Heaters as standard.



> Customize as you wish!

An additional Stainless steel root attachment is available for mounting onto the base of any standard cabinet, allowing for the pillar to be secured to the root which has been embedded into the ground during construction, and providing a large open cable duct beneath the feeder pillar.

> Root Attachment

Part.no	Suitable for Feeder Pillar codes
EVFPS1	EV10C
EVFPS2	EV10A EV10B EV12A EV12B EV12C EV20A EV20B
EVFPS3	EV40A EV40B EV40C EV63A EV63B EV63C

> Colour finish options - Free of charge



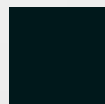
Moss
Green
RAL6005
Standard
colour



Light Grey
RAL7035



Dark Grey
RAL7011



Jet Black
RAL9005



High Visibility
Orange
RAL2000

EV consumer units (indoor installation)

A range of consumer units designed for residential retrofitting applications where EV CHARGERS are to be added to an existing installation. Available with the option of Type A or Type B RCCB's and 40A MCBs making them compatible with 7.4kW EV Chargers.

- Suitable for use with 7.4kW residential EV chargers (32A).
- 63A 30mA RCCBs available in Type A and B, providing isolation of both Live conductors.
- Available pre-fitted with Type 2 SPD.
- Meets the requirements of Section 722 of BS7671.
- Assembly rating: 32A

▲ 40A with Type A Bi-Directional RCCB



Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)
○	PRO-REV40A	- 40A 6kA B Curve MCB - 63A 2P 30mA Type A RCCB	5

▲ 40A with Type A Bi-Directional RCCB & Surge Protection



Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)
○	PRO-REV40AS	- 40A 6kA B Curve MCB - 63A 2P 30mA Type A RCCB - Type 2 SPD - 100A , 2P Main Switch	9

▲ 40A with Type B Bi-Directional RCCB



Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)
○	PRO-REV40B	- 40A 6kA B Curve MCB - 63A 2P 30mA Type B RCCB	5

▲ 40A with Type B Bi-Directional RCCB & Surge Protection



Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)
○	PRO-REV40BS	- 40A 6kA B Curve MCB - 63A 2P 30mA Type B RCCB - Type 2 SPD - 100A , 2P Main Switch	9

▲ 40A with Type A RCCB & Surge Protection (Metal - IP65)

NEW

- Anthracite grey finish.
- Enclosure lid is padlockable using MCB LOCK (to be purchased separately).
- Assembly rating 32A (7.4kW).



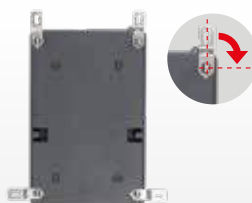
Part Number	Description	Enclosure Size (Modules)
PRO65-REV40AS	- 100A DP Main Switch - 40A 6kA B Curve MCB - 63A Bi-directional 30mA Type A RCCB - Type 2 SPD	6

▲ 40A with Type A Bi-Directional RCCB/ RCBO & Surge Protection (Metal - IP65)

Part Number	Description	Enclosure Size (Modules)
PRO65-4BR40AS	- 100A DP Main Switch - B40A 6kA Bi-directional RCBO 30mA Type A - Type 2 Surge Protection - 2 spare ways (flanged)	6



- Drop down access cover which can remain in the open position.
- Padlockable cover 3mm diameter for shackle (lock not included).



- Wall mount installation can be achieved by drilling through the rear of the enclosure, or by using the external wall mount brackets provided. External brackets can be positioned in two orientations.



Shrouded neutral bar

- Populated with Main Switch 100A 2P, Type 2 Surge Protection Device, and B40A 1P 6kA MCB + Bidirectional type A 30mA RCD.
- Generous wiring space for conductors up to 16 mm².

▲ 40A with Type A RCCB & Surge Protection (Polycarbonate - IP65)



Part Number	Description	Enclosure Size (Modules)
IP65-REV40AS	- 100A , 2P Main Switch - 40A 6kA B Curve MCB - 63A Bi-directional 30mA Type A RCCB - Type 2 SPD - IP65, weatherproof - Assembly rating 32A (7.4kW)	6

▲ 40A with Type A Bi-Directional RCCB / RCBO & Surge Protection (Polycarbonate - IP65)

Part Number	Description	Enclosure Size (Modules)
IP65-4BR40AS	- 100A DP Main Switch - B40A 6kA Bi-directional RCBO 30mA Type A - Type 2 Surge Protection - 2 spare ways (flanged)	6



- Reserve a position for functional stickers on the face frame and clearly view the control area of the components.
- Padlockable cover (lock not included).



- Smooth walls allow cable entry from all faces.



- Populated with Main Switch 100A 2P, Type 2 Surge Protection Device, and B40A 1P 6kA MCB + Bidirectional type A 30mA RCD.
- Wiring space suitable for conductors up to 6 mm².



The Electricians' Choice

SIENA

7.4kW Single Phase AC Mode 3 Smart Charger.

Tethered outlet with 5m charging cable

Part Number: 672151

Un-tethered socket outlet

Part Number: 672150

> Enhanced Safety

Easily integrate with solar panels to use renewable energy for eco-friendly, cost-saving charging.

> Solar Integration

Easily integrate with solar panels to use renewable energy for eco-friendly, cost-saving charging.

> Weatherproof Durability

Built with an IP55-rated enclosure, the Siena charger is designed to withstand outdoor conditions, ensuring reliable performance in all weather.

> Flexible Power Output

Adjustable power settings from 13A to 32A make Siena adaptable to various home electrical systems.

> Sleek Design

The Siena charger's modern, streamlined look complements any home while providing efficient charging.

> Unique Backplate Design

The detachable backplate simplifies installation, allowing electricians to securely mount and wire the system with greater precision and ease, reducing the risk of damage during installation and making maintenance more straightforward.



Accessories

> RFID FOB

The Siena EV Charger comes with RFID access control, allowing you to use a paired RFID fob for secure charging. Simply tap the fob on the charger to start or stop the charging process, without needing to use the app.

Code: 672900



> Split CT Core

The Siena EV Charger offers an optional split-core current transformer (CT) accessory for seamless solar integration. This allows the charger to intelligently manage energy usage by drawing power from your solar system, ensuring efficient and eco-friendly charging while optimising your home's energy consumption.

Code: 672901





8

Plugs & Socket Outlets



The Electricians' Choice

TOP PERFORMANCE

Palazzoli offers a versatile range of plugs, connectors, and interlocked socket outlets designed for a variety of industrial and commercial applications. These products are constructed using durable materials such as thermoplastic, techno polymer, and aluminium alloy, etc. ensuring they withstand harsh environmental conditions while maintaining high-performance standards. The product range includes both wall-mounted and flush-mounted solutions, with options featuring mechanical and electrical interlocks to enhance safety by preventing accidental disconnections under load. Designed for current ratings ranging from 16A to 250A and with IP ratings up to IP69, these plugs, connectors and interlocked socket outlets are available in multiple configurations, making them ideal for environments where high durability and safety are critical, such as manufacturing, infrastructure, and marine applications.

▲ PLUGS & Socket-Outlets

General Purpose



> MULTIMAX

- Quick-mounting mobile plugs & socket-outlets
- IP44 /IP67
- Available from 16A up to 63A

Heavy Duty



> X-CEE

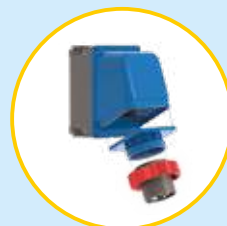
- Safety Performance Mobile plugs & socket-outlets
- IP66/ IP67/ IP68/ IP69
- Available from 16A up to 125A





Ingress protection
IP66/67/68/69

Impact
resistance **IK10**



Plug and socket inserts
can be installed:

- on straight or angled panel-mounted flanges.
- on the boxes by using straight or angled flanges to achieve 65° or 85° angled connections and reduce overall dimensions.

▲ Switched Interlocked Sockets

General Purpose



> TopTER

- Compact Vertical Switched Interlocked Sockets.
- IP44 / IP55/ IP66 /IP67
- Available from 16A up to 63A

> PRIMA

- Compact Horizontal Switched Interlocked Sockets
- IP44/ IP55
- Available from 16A up to 32A

Heavy Duty



> TAIS & Alupres

- Switched Interlocked Sockets in Thermosetting GRP & Aluminium
- IP66/ IP67/ IP69
- Available from 16A up to 125A

> X-CEE Rotor

- Safety Performance Switched interlocked socket with Rotoswitch
- IP66/ IP67/ IP68/ IP69
- Available from 16A up to 125A

▲ Multiple Socket-Outlet Combinations



> Pre-wired socket-outlet combinations

- 2 Gang & 3 Gang options in vertical and horizontal configurations.
- IP44/ IP55/ IP66

Mobile plugs - General purpose

▲ Straight Plug IP44

- Designed for ease of assembly and wiring
- Twist grip cable gland locking system
- Rated current up to 32A
- IK08 rating as per IEC/EN 62262
- Thermoplastic grip material



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency
16	PM16/1000FPB	110V	2P+⊥	4h	50/60Hz
	PM16/1100FPB	230V	2P+⊥	6h	50/60Hz
	PM16/1500FPB	400V	3P+⊥	6h	50/60Hz
	PM16/1800FPB	400V	3P+N+⊥	6h	50/60Hz
	700134	110V	3P+⊥	4h	50/60Hz
	700144	110V	3P+N+⊥	4h	50/60Hz
	700139	230V	3P+⊥	9h	50/60Hz
	700149	230V	3P+N+⊥	9h	50/60Hz
	700129	400V	2P+⊥	9h	50/60Hz
	32	PM32/1000FPB	110V	2P+⊥	4h
PM32/1100FPB		230V	2P+⊥	6h	50/60Hz
PM32/1500FPB		400V	3P+⊥	6h	50/60Hz
PM32/1800FPB		400V	3P+N+⊥	6h	50/60Hz
700234		110V	3P+⊥	4h	50/60Hz
700244		110V	3P+N+⊥	4h	50/60Hz
700239		230V	3P+⊥	9h	50/60Hz
700249		230V	3P+N+⊥	9h	50/60Hz
700229		400V	2P+⊥	9h	50/60Hz

▲ Straight plug IP67

- Safer than conventional sockets in the same category
- Compliance with standards IEC/EN 60309-1/2
- Rated current up to 63A
- IK08 rating as per IEC/EN 62262
- Thermoplastic grip material



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency
16	710124	110V	2P+⊥	4h	50/60Hz
	710126	230V	2P+⊥	6h	50/60Hz
	710136	400V	3P+⊥	6h	50/60Hz
	710146	400V	3P+N+⊥	6h	50/60Hz
32	710224	110V	2P+⊥	4h	50/60Hz
	710226	230V	2P+⊥	6h	50/60Hz
	710236	400V	3P+⊥	6h	50/60Hz
	710246	400V	3P+N+⊥	6h	50/60Hz
63	710326	230V	2P+⊥	6h	50/60Hz
	710336	400V	3P+⊥	6h	50/60Hz
	710346	400V	3P+N+⊥	6h	50/60Hz

Mobile Connectors - General purpose

▲ Straight connectors IP44

- Designed for ease of assembly and wiring.
- Rated current from 16A up to 32A.
- Selection of extra-low and high voltage from 24V up to 400V.
- IK08 as per IEC/EN 62262.



Rated Current A	Part Number	Rated Operating Voltage	Poles	h. ref
16	720124	● 110	2P+⊕	4
	720134	● 110	3P+⊕	4
	720144	● 110	3P+N+⊕	4
	720126	● 230	2P+⊕	6
	720139	● 230	3P+⊕	9
	720149	● 230	3P+N+⊕	9
	720129	● 400	2P+⊕	9
	720136	● 400	3P+⊕	6
	720146	● 400	3P+N+⊕	6
	32	720224	● 110	2P+⊕
720234		● 110	3P+⊕	4
720244		● 110	3P+N+⊕	4
720226		● 230	2P+⊕	6
720239		● 230	3P+⊕	9
720249		● 230	3P+N+⊕	9
720229		● 400	2P+⊕	9
720236		● 400	3P+⊕	6
720246		● 400	3P+N+⊕	6

▲ Straight connectors IP67

- Designed for ease of assembly and wiring.
- Rated current from 16A up to 32A.
- Selection of extra-low and high voltage from 24V up to 400V.
- IK08 as per IEC/EN 62262.



Rated Current A	Part Number	Rated Operating Voltage	Poles	h. ref
16	730124	● 110	2P+⊕	4
	730126	● 230	2P+⊕	6
	730136	● 400	3P+⊕	6
	730146	● 400	3P+N+⊕	6
32	730224	● 110	2P+⊕	4
	730226	● 230	2P+⊕	6
	730236	● 400	3P+⊕	6
	730246	● 400	3P+N+⊕	6

▲ Multimax - straight plug IP44 - Black - TV & Film

- Specially designed for entertainment, film and HI-FI industries
- Compliance with standards IEC/EN 60309-1/2
- Rated current up to 32A
- IK08 rating as per IEC/EN 62262
- Thermoplastic grip material



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency
16	705124	● 110V	2P+⊕	4h	50/60Hz
	705126	● 230V	2P+⊕	6h	50/60Hz
	705136	● 400V	3P+⊕	6h	50/60Hz
	705146	● 400V	3P+N+⊕	6h	50/60Hz
32	705226	● 230V	2P+⊕	6h	50/60Hz
	705236	● 400V	3P+⊕	6h	50/60Hz
	705246	● 400V	3P+N+⊕	6h	50/60Hz

Multiple socket outlet combinations

▲ 2 Gang socket outlets - vertical

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	Poles	IP Protection Degree	Dimensions (WHD)
16	PM16/540/2VW	● 110V	2 x 16A	3P	IP44	260x108x115mm
	PM16/541/2VW	● 230V	2 x 16A	3P	IP44	260x108x115mm
	PM1316/541/2VW	● 230V	1 x 13A 1 x 16A	3P	IP44	260x108x115mm
	PM16/548/2VW	● 400V	2 x 16A	3P	IP44	260x108x115mm
	PM16/640/2VW	● 110V	2 x 16A	3P	IP44	260x108x123mm
	PM16/641/2VW	● 230V	2 x 16A	3P	IP44	260x108x123mm
	PM1316/641/2VW	● 230V	1 x 13A 1 x 16A	3P	IP44	260x108x123mm
	PM16/648/2VW	● 400V	2 x 16A	3P	IP44	260x108x123mm
32	PM32/548/2VW	● 400V	2 x 32A	3P	IP44	260x108x115mm

▲ 2 Gang socket combinations - horizontal

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	Poles	IP Protection Degree	Dimensions (WHD)
16	PM16/540/2HW	● 110V	2 x 16A	3P	IP44	103x206x115mm
	PM16/541/2HW	● 230V	2 x 16A	3P	IP44	103x206x115mm
	PM1316/541/2HW	● 230V	1 x 13A 1 x 16A	3P	IP44	103x206x115mm
	PM16/640/2HW	● 110V	2 x 16A	3P	IP55	103x206x123mm
	PM16/641/2HW	● 230V	2 x 16A	3P	IP55	103x206x123mm
	PM1316/641/2HW	● 230V	1 x 13A 1 x 16A	3P	IP55	103x206x123mm

▲ Vertical Sockets - With RCDs

- IP44/IP65/IP66/IP67 Ingress Protection Rating Options
- Thermoplastic Manufacturing Material
- RCD 30mA Type A
- Transparent & padlockable RCD access window.



Rated Current A	Part Number	Rated Operating Voltage	Poles
16	PMRCD16/300TT	● 110V	2P+⊥
	PMRCD16/301TT	● 230V	2P+⊥
	PMRCD16/305TT	● 400V~	3P+⊥
	PMRCD16/308TT	● 400V	3P+N+⊥
	PMRCD16/400TT	● 110V	2P+⊥
	PMRCD16/401TT	● 230V	2P+⊥
	PMRCD16/405TT	● 400V	3P+⊥
	PMRCD16/408TT	● 400V~	3P+N+⊥
32	PMRCD32/300TT	● 110V	2P+⊥
	PMRCD32/301TT	● 230V	2P+⊥
	PMRCD32/305TT	● 400V	3P+⊥
	PMRCD32/308TT	● 400V~	3P+N+⊥
	PMRCD32/400TT	● 110V	2P+⊥
	PMRCD32/401TT	● 230V	2P+⊥
	PMRCD32/405TT	● 400V	3P+⊥
	PMRCD32/408TT	● 400V	3P+N+⊥

▲ 3 Gang protected socket outlets with RCD - Vertical

- RCD 30mA Type A
- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block



Rated Current A	Part Number	Rated Operating Voltage	IP Protection Degree	Dimensions (HWD)
16	PM7154TT	● 110V	IP66	452x122x148mm
	PM7155TT	● 230V	IP66	452x122x148mm
50	PM7156TT	● 230V	IP66	452x122x148mm

▲ 3 Gang socket outlets - horizontal

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	IP Protection Degree	Dimensions (HWD)
16	PM16/540/3HW	● 110V	3 x 16A	IP44	115x290x123mm
	PM16/541/3HW	● 230V	3 x 16A	IP44	115x290x123mm
	PM16/640/3HW	● 110V	3 x 16A	IP55	115x290x131mm
	PM16/641/3HW	● 230V	3 x 16A	IP55	115x290x131mm

PRIMA

▲ Horizontal switched interlocked socket - with backbox IP44

- Prima series designed as compact horizontal interlocked socket-outlet for distribution boards and standard applications.
- Padlockable handle in open or closed position, with max 3 mm Ø padlock.
- Compliance with standards IEC/EN 60309-1/2/4 and 60947-3.
- Rated current from 16A up to 32A.
- Operating voltage option from 110V up to 400V.
- Thermoplastic body.
- Supplied with backbox



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency	IP Protection Degree
16	PM16/454124LW	● 110V	2P+⊥	4h	50/60Hz	IP44
	PM16/454126LW	● 230V	2P+⊥	6h	50/60Hz	IP44
	PM16/454136LW	● 400V	3P+⊥	6h	50/60Hz	IP44
	PM16/454146LW	● 400V	3P+N+⊥	6h	50/60Hz	IP44
32	PM32/454224LW	● 110V	2P+⊥	4h	50/60Hz	IP44
	PM32/454226LW	● 230V	2P+⊥	6h	50/60Hz	IP44
	PM32/454236LW	● 400V	3P+⊥	6h	50/60Hz	IP44
	PM32/454246LW	● 400V	3P+N+⊥	6h	50/60Hz	IP44

▲ Horizontal switched interlocked socket - without backbox IP55

- Prima series designed as compact horizontal interlocked socket-outlet for distribution boards and standard applications.
- Padlockable handle in open or closed position, with max 3 mm Ø padlock.
- Compliance with standards IEC/EN 60309-1/2/4 and 60947-3.
- Rated current from 16A up to 32A.
- Operating voltage option from 110V up to 400V.
- Thermoplastic body.
- NOT supplied with backbox



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency	IP Protection Degree
16	495124	● 110V	2P+⊥	4h	50/60Hz	IP55
	495134	● 110V	3P+⊥	4h	50/60Hz	IP55
	495144	● 110V	3P+N+⊥	4h	50/60Hz	IP55
	495126	● 230V	2P+⊥	6h	50/60Hz	IP55
	495139	● 230V	3P+⊥	9h	50/60Hz	IP55
	495149	● 230V	3P+N+⊥	9h	50/60Hz	IP55
	495129	● 400V	2P+⊥	9h	50/60Hz	IP55
	495136	● 400V	3P+⊥	6h	50/60Hz	IP55
	495146	● 400V	3P+N+⊥	6h	50/60Hz	IP55
	32	495224	● 110V	2P+⊥	4h	50/60Hz
495234		● 110V	3P+⊥	4h	50/60Hz	IP55
495244		● 110V	3P+N+⊥	4h	50/60Hz	IP55
495226		● 230V	2P+⊥	6h	50/60Hz	IP55
495239		● 230V	3P+⊥	9h	50/60Hz	IP55
495249		● 230V	3P+N+⊥	9h	50/60Hz	IP55
495229		● 400V	2P+⊥	9h	50/60Hz	IP55
495236		● 400V	3P+⊥	6h	50/60Hz	IP55
495246		● 400V	3P+N+⊥	6h	50/60Hz	IP55
495233		● 380/440V	3P+⊥	3h	50/60Hz	IP55

Backbox available: Part number 579500.

▲ Vertical switched interlocked socket - with backbox IP44

- Padlockable handle in open or closed position, with max 3 mm Ø padlock.
- Best use for general purpose installations / applications.
- Rated current from 16A up to 32A.
- Operating voltage option from 110V up to 400V.
- Thermoplastic body.
- Supplied with backbox.



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency	IP Protection Degree
16	PM16/3300NFPB	● 110V	2P+⊥	4h	50/60Hz	IP44
	PM16/3301NFPB	● 230V	2P+⊥	6h	50/60Hz	IP44
	PM16/3305NFPB	● 400V	3P+⊥	6h	50/60Hz	IP44
	PM16/3308NFPB	● 400V	3P+N+⊥	6h	50/60Hz	IP44
32	PM32/3300NFPB	● 110V	2P+⊥	4h	50/60Hz	IP44
	PM32/3301NFPB	● 230V	2P+⊥	6h	50/60Hz	IP44
	PM32/3305NFPB	● 400V	3P+⊥	6h	50/60Hz	IP44
	PM32/3308NFPB	● 400V	3P+N+⊥	6h	50/60Hz	IP44

▲ Vertical switched interlocked socket - with backbox IP66

- Supplied with backbox.



Rated Current A	Part Number	Rated Operating Voltage	Poles	Clock Position	Frequency	IP Protection Degree
16	PM16/3400NFPB	● 110V	2P+⊥	4h	50/60Hz	IP66/IP67
	PM16/3401NFPB	● 230V	2P+⊥	6h	50/60Hz	IP66/IP67
	PM16/3405NFPB	● 400V	3P+⊥	6h	50/60Hz	IP66/IP67
	PM16/3408NFPB	● 400V	3P+N+⊥	6h	50/60Hz	IP66/IP67
32	PM32/3400NFPB	● 110V	2P+⊥	4h	50/60Hz	IP66/IP67
	PM32/3401NFPB	● 230V	2P+⊥	6h	50/60Hz	IP66/IP67
	PM32/3405NFPB	● 400V	3P+⊥	6h	50/60Hz	IP66/IP67
	PM32/3408NFPB	● 400V	3P+N+⊥	6h	50/60Hz	IP66/IP67
63	PM63/3401FPB	● 230V	2P+⊥	6h	50/60Hz	IP65
	PM63/3405FPB	● 400V	3P+⊥	6h	50/60Hz	IP65
	PM63/3408FPB	● 400V	3P+N+⊥	6h	50/60Hz	IP65

RCD Interlocks

▲ IP44 Vertical switched interlocked socket - with RCD

- IP44/IP65/IP66/IP67 Ingress Protection Rating Options
- Thermoplastic Manufacturing Material
- Transparent and padlockable RCD Access window
- RCD 30mA Type A



Rated Current A	Lewden Part Number	Corresponding Part Number	Rated Operating Voltage	Poles	IP Protection Degree
16	PMRCD16/300SITT	660124	● 110V	2P+ $\frac{1}{2}$	IP44
	PMRCD16/301SITT	660126	● 230V	2P+ $\frac{1}{2}$	IP44
	PMRCD16/305SITT	660136	● 400V	3P+ $\frac{1}{2}$	IP44
	PMRCD16/308SITT	660146	● 400V	3P+N+ $\frac{1}{2}$	IP44
32	PMRCD32/300SITT	660224	● 110V	2P+ $\frac{1}{2}$	IP44
	PMRCD32/301SITT	660226	● 230V	2P+ $\frac{1}{2}$	IP44
	PMRCD32/305SITT	660236	● 400V	3P+ $\frac{1}{2}$	IP44
	PMRCD32/308SITT	660246	● 400V	3P+N+ $\frac{1}{2}$	IP44

▲ IP65/ IP66 vertical switched interlocked sockets - with RCD

- IP44/IP65/IP66 Ingress Protection Rating Options
- Thermoplastic Manufacturing Material
- Transparent and padlockable RCD Access window
- RCD 30mA Type A



Rated Current A	Lewden Part Number	Corresponding Part Number	Rated Operating Voltage	Poles	IP Protection Degree
16	PMRCD16/400SITT	661124	● 110V	2P+ $\frac{1}{2}$	IP66
	PMRCD16/401SITT	661126	● 230V	2P+ $\frac{1}{2}$	IP66
	PMRCD16/405SITT	661136	● 400V	3P+ $\frac{1}{2}$	IP66
	PMRCD16/408SITT	661146	● 400V	3P+N+ $\frac{1}{2}$	IP66
32	PMRCD32/400SITT	661224	● 110V	2P+ $\frac{1}{2}$	IP66
	PMRCD32/401SITT	661226	● 230V	2P+ $\frac{1}{2}$	IP66
	PMRCD32/405SITT	661236	● 400V	3P+ $\frac{1}{2}$	IP66
	PMRCD32/408SITT	661246	● 400V	3P+N+ $\frac{1}{2}$	IP66
63	PMRCD63/401SIT	661326	● 230V	2P+ $\frac{1}{2}$	IP65
	PMRCD63/405SIT	661336	● 400V	3P+ $\frac{1}{2}$	IP65
	PMRCD63/408SIT	661346	● 400V	3P+N+ $\frac{1}{2}$	IP65

▲ Vertical switched interlocked sockets with RCDs - Heavy duty GRP

- IP66/67/69 Ingress Protection Rating (Watertight)
- Tais Thermosetting Heavy Duty GRP
- RCD 30mA Type A



Rated Current A	Part Number	Rated Operating Voltage	Poles
16	PMRCD16/401SINFPB	● 230V	2P+⊥
	PMRCD16/405SINFPB	● 400V~	3P+⊥
	PMRCD16/408SINFPB	● 400V~	3P+N+⊥
32	PMRCD32/401SINFPB	● 230V	2P+⊥
	PMRCD32/405SINFPB	● 400V~	3P+⊥
	PMRCD32/408SINFPB	● 400V~	3P+N+⊥
63	PMRCD63/401SINFPB	● 230V	2P+⊥
	PMRCD63/405SINFPB	● 400V~	3P+⊥
	PMRCD63/408SINFPB	● 400V~	3P+N+⊥
125	PMRCD125/408SINFPB	● 400V~	3P+N+⊥

▲ Vertical switched interlocked sockets with RCDs - Metal clad

- IP66/67/69 Ingress Protection Rating (Watertight)
- Alupres Metal Clad
- Supplied with flat closing flange (top & bottom)
- RCD 30mA Type A



Rated Current A	Part Number	Rated Operating Voltage	Poles
16	472623RCD	● 230V	2P+⊥
	472733RCD	● 400V~	3P+⊥
	472843RCD	● 400V~	3P+N+⊥
32	472624RCD	● 230V	2P+⊥
	472734RCD	● 400V~	3P+⊥
	472844RCD	● 400V~	3P+N+⊥
63	472027RCD	● 230V	2P+⊥
	472137RCD	● 400V~	3P+⊥
	472647RCD	● 400V~	3P+N+⊥
125	PDRCD125/408SINFPB	● 400V	3P+N+⊥

TOPTER multiple outlet pre-wired

▲ 2 Gang multiple outlet pre-wired - Wall mounting

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block
- IP66/IP67



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	IP Protection Degree	Dimensions (WHD)
32	PM7138TT	● 230V	2 x 16A	IP66	395X122X160mm

▲ 4 Gang multiple outlet pre-wired - Wall mounting

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block
- IP66



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	Dimensions (HWD)
63	PM7140TT	● 230V	4 x 16A	456x239x173mm
	PM7142TT	● 400V	4 x 16A	456x461x170mm
	PM7143TT	● 110V	4 x 16A	456x239x173mm
	PM7144TT	● 230V	4 x 16A	456x239x173mm
	PM7147TT	● 230V	2 x 13A, 2 x 16A	456x239x173mm
100	PM7139TT	● 230V	2 x 16A, 2 x 32A	456x239x173mm
	PM7141TT	● 400V	2 x 16A, 2 x 32A	456x461x170mm
	PM7145TT	● 230V	4 X 32A	456x239x173mm
	PM7146TT	● 400V	4 x 32A	456x461x173mm

▲ 6 Gang multiple outlet pre-wired - Wall mounting

- Industrial sockets
- Splash proof and watertight
- Simple to install
- All sockets pre-wired to a common terminal block
- IP66



Rated Current A	Part Number	Rated Operating Voltage	Outlet Sockets	Dimensions (HWD)
63	PM7148TT	● 400V	3x16A 230V, 3x16A 400V	456x461x173mm
80	PM7149TT	● 400V	4x16A 230V, 1x16A & 1x32A 400V	456x461x173mm

▲ Wall mounted sockets 15° angled 50-60Hz IP44



Rated Current A	Part Number	Rated Operating Voltage	Poles	h. ref.
16	438124	● 110V	2P+⊥	4h
	438126	● 230V	2P+⊥	6h
	438136	● 400V	3P+⊥	6h
	438146	● 400V	3P+N+⊥	6h
32	438224	● 110V	2P+⊥	4h
	438226	● 230V	2P+⊥	6h
	438236	● 400V	3P+⊥	6h
	438246	● 400V	3P+N+⊥	6h

▲ Wall mounted sockets 90° angled 50-60Hz IP44

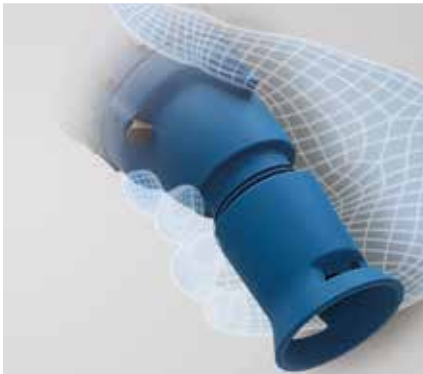


Rated Current A	Part Number	Rated Operating Voltage	Poles	Rated Current
16	508124	● 110V	2P+⊥	4h
	508126	● 230V	2P+⊥	6h
	508136	● 400V	3P+⊥	6h
	508146	● 400V	3P+N+⊥	6h
32	508224	● 110V	2P+⊥	4h
	508226	● 230V	2P+⊥	6h
	508236	● 400V	3P+⊥	6h
	508246	● 400V	3P+N+⊥	6h

X-CEE Series



Conformity to standards	IEC/EN 60309-1 IEC/EN 60309-2
Body material	Reinforced technopolymer
Protection rating (IP as per IEC/EN 60529)	IP66/IP67/IP68/IP69
Colour	RAL 7046 grey, RAL 5015 blue
Pin and receptacle material	Full nickel-plated brass
Resistance to abnormal heat and fire«Glow wire» as per IEC/EN 60695-2-10)	960°C (contact holders) 850°C (housings)
Self-extinguishing grade (as per UL94)	V0 (contact holders) V2 (housings)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Resistance to crushing	> 500Kg
Rated voltage	50V ÷ 690V (1000V on request)
Rated frequency	50Hz ÷ 500Hz and DC
Rated insulation voltage	690V
Pilot contact	63A and 125A plugs and sockets
Storage temperature	-50°C ÷ +90°C
Operating temperature	-40°C ÷ +60°C



Ergonomic comfortable grip for effortless connection

The comfortable grip offers easy and safe handling in all conditions, including the use of gloves. The rubber anti-slip coating on the safety ring enhances the grip, facilitating the switch operation even in the presence of oil. The smooth shape of the handle prevents fluid stagnation.



Smart cable gland with reinforced tightening

The simplicity of the smart cable gland makes X-CEE suitable for any type of cable, with a versatility that is unique in the market. The gland can be easily closed and tightened using a spanner or a screwdriver. X-CEE can also be suspended by hooking from the slot in the cable gland.

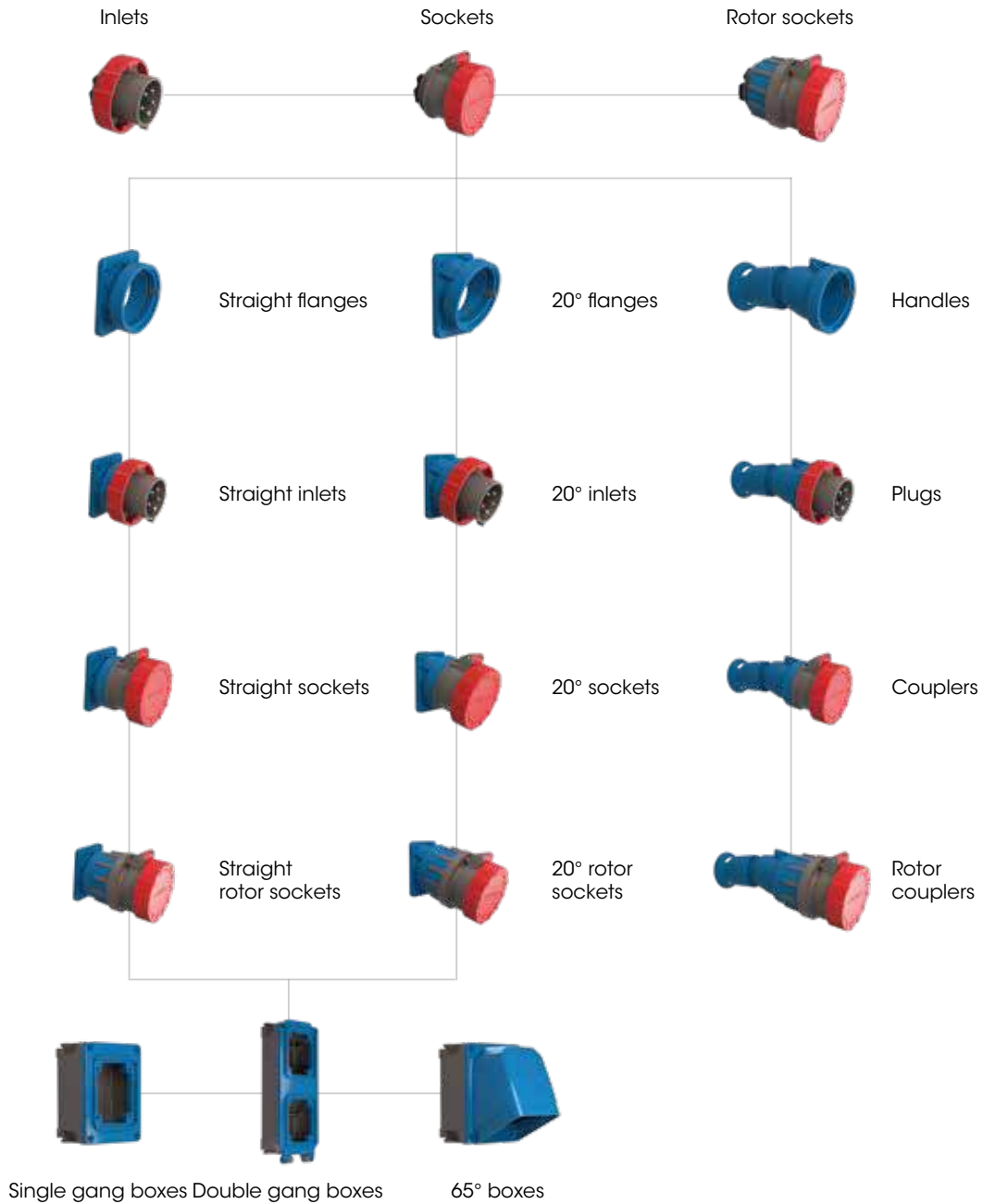


Multiple configurations for installations through synergy with the Palazzoli TAIS grp range

The embedded design flexibility allows multiple combinations obtaining any solution by simply selecting the individual components (inlets, sockets with flanges, back boxes or handles).

Modular options

There are up to 2,436 possible combinations



Example of combinations



▲ Plugs

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	760124	4	760134	4	760144	4
	● 230	760126	6	760139	9	760149	9
	● 400	760129	9	760136	6	760146	6
	● 500	-	-	760137	7	760147	7
32	● 110	760224	4	760234	4	760244	4
	● 230	760226	6	760239	9	760249	9
	● 400	760229	9	760236	6	760246	6
	● 500	-	-	760237	7	760247	7
	● 380-440V	-	-	760233	3	-	-
63	● 110	760324	4	760334	4	760344	4
	● 230	760326	6	760339	9	760349	9
	● 400	760329	9	760336	6	760346	6
	● 500	-	-	760337	7	760347	7
125	● 110	-	-	760434	4	760444	4
	● 230	760426	-	760439	9	760449	9
	● 400	-	-	760436	6	760446	6
	● 500	-	-	760437	7	760447	7

Features: The plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm

▲ Caps for IEC EN 60309-2 industrial plugs - IP67

Ensures the IP67 protection rating when the plug is not in use.



Rated current A	2P+E	3P+E	4P+E
	Part number	Part number	Part number
16	476903	476913	476923
32	476905	476905	476925
63	476907	476907	476907
125	476909	476909	476909

▲ 65° Angled wall - mounted inlets

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	766124	4	-	-	-	-
	● 230	766126	6	-	-	-	-
	● 400	-	-	766136	6	766146	6
32	● 110	766224	4	-	-	-	-
	● 230	766226	6	-	-	-	-
	● 400	-	-	766236	6	766246	6
63	● 400	-	-	766336	6	766346	6
125	● 400	-	-	766436	6	766446	6

Features: The plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm.

▲ Straight panel - mounted inlets

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	762124	4	-	-	-	-
	● 230	762126	6	-	-	-	-
	● 400	-	-	762136	6	762146	6
32	● 110	762224	4	-	-	-	-
	● 230	762226	6	-	-	-	-
	● 400	-	-	762236	6	762246	6
63	● 400	-	-	762336	6	762346	6
125	● 400	-	-	762436	6	762446	6

Features: The plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm.

▲ 20° Angled panel - mounted inlets

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	763124	4	-	-	-	-
	● 230	763126	6	-	-	-	-
	● 400	-	-	763136	6	763146	6
32	● 110	763224	4	-	-	-	-
	● 230	763226	6	-	-	-	-
	● 400	-	-	763236	6	763246	6
63	● 400	-	-	763336	6	763346	6
125	● 400	-	-	763436	6	763446	6

Features: The plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm.

▲ Couplers

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	770124	4	770134	4	770144	4
	● 230	770126	6	770139	9	770149	9
	● 400	770129	9	770136	6	770146	6
	● 500	-	-	770137	7	770147	7
32	● 110	770224	4	770234	4	770244	4
	● 230	770226	6	770239	9	770249	9
	● 400	770229	9	770236	6	770246	6
	● 500	-	-	770237	7	770247	7
	● 380-440V	-	-	770233	3	-	-
63	● 110	770324	4	770334	4	770344	4
	● 230	770326	6	770339	9	770349	9
	● 400	770329	9	770336	6	770346	6
	● 500	-	-	770337	7	770347	7
125	● 110	-	-	770434	4	770444	4
	● 230	770426	6	770439	9	770449	9
	● 400	-	-	770436	6	770446	6
	● 500	-	-	770437	7	770447	7

Features: The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm.

▲ 65° Angled wall - mounted sockets

50/60 Hz - IP66/IP67/IP68/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	776124	4	776134	4	776144	4
	● 230	776126	6	776139	9	776149	9
	● 400	776129	9	776136	6	776146	6
	● 500	-	-	776137	7	776147	7
32	● 110	776224	4	776234	4	776244	4
	● 230	776226	6	776239	9	776249	9
	● 400	776229	9	776236	6	776246	6
	● 500	-	-	776237	7	776247	7
	● 380-440V	-	-	776233	3	-	-
63	● 110	776324	4	776334	4	776344	4
	● 230	776326	6	776339	9	776349	9
	● 400	776329	9	776336	6	776346	6
	● 500	-	-	776337	7	776347	7
125	● 110	-	-	776434	4	776444	4
	● 230	776426	6	776439	9	776449	9
	● 400	-	-	776436	6	776446	6
	● 500	-	-	776437	7	776447	7

Features: The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a maximum shackle diameter of 10.5mm, a height of 32mm and a max. wire diameter of 3.5mm.

▲ Straight panel - Mounted socket outlets

IP66/IP67/IP68/IP69



Rated Current A	Part Number	Rated Operating Voltage	Poles	Flange Dimensions	h. ref.
16	772124	● 110V	2P+⊥	65X83 mm	4h
	772134		3P+⊥	65X83 mm	4h
	772134		3P+⊥	65X83 mm	4h
	772144		3P+N+⊥	65X83 mm	4h
	772126	● 230V	2P+⊥	65X83 mm	6h
	772139		3P+⊥	65X83 mm	9h
	772149		3P+N+⊥	65X83 mm	9h
	772129	● 400V	2P+⊥	65X83 mm	9h
	772136		3P+⊥	65X83 mm	6h
	772146		3P+N+⊥	65X83 mm	6h
	772137		3P+⊥	65X83 mm	7h
	772147	● 500V	3P+N+⊥	65X83 mm	7h
32	772224	● 110V	2P+⊥	65X83 mm	4h
	772234		3P+⊥	65X83 mm	4h
	772244		3P+N+⊥	100X108 mm	4h
	772226	● 230V	2P+⊥	65X83 mm	6h
	772239		3P+⊥	65X83 mm	9h
	772249		3P+N+⊥	100X108 mm	9h
	772229		2P+⊥	65X83 mm	9h
	772236	● 400V	3P+⊥	65X83 mm	6h
	772246		3P+N+⊥	100X108 mm	6h
	772237		3P+⊥	65X83 mm	7h
	772247	● 500V	3P+N+⊥	100X108 mm	7h
	772233	● 380/440V	3P+⊥	65X83 mm	3h
63	772324	● 110V	2P+⊥	100X108 mm	4h
	772334		3P+⊥	100X108 mm	4h
	772344		3P+N+⊥	100X108 mm	4h
	772326		2P+⊥	100X108 mm	6h
	772339	● 230V	3P+⊥	100X108 mm	9h
	772349		3P+N+⊥	100X108 mm	9h
	772329		2P+⊥	100X108 mm	9h
	772336	● 400V	3P+⊥	100X108 mm	6h
	772346		3P+N+⊥	100X108 mm	6h
	772337		3P+⊥	100X108 mm	7h
	772347	● 500V	3P+N+⊥	100X108 mm	7h
	125	772434	● 110V	3P+⊥	114X114 mm
772444		3P+N+⊥		114X114 mm	4h
772439		● 230V	3P+⊥	114X114 mm	9h
772449			3P+N+⊥	114X114 mm	9h
772436		● 400V	3P+⊥	114X114 mm	6h
772446			3P+N+⊥	114X114 mm	6h
772437			3P+⊥	114X114 mm	7h
772447		● 500V	3P+N+⊥	114X114 mm	7h

▲ 20° Angled panel - Mounted socket outlets

IP66/IP67/IP68/IP69



Rated Current A	Part Number	Rated Operating Voltage	Poles	Flange Dimensions	h. ref.
16	773124	● 110V	2P+	65X83 mm	4h
	773134		3P+	65X83 mm	4h
	773144		3P+N+	65X83 mm	4h
	773126	● 230V	2P+	65X83 mm	6h
	773139		3P+	65X83 mm	9h
	773149		3P+N+	65X83 mm	9h
	773129		2P+	65X83 mm	9h
	773136	● 400V	3P+	65X83 mm	6h
	773146		3P+N+	65X83 mm	6h
	773137		3P+	65X83 mm	7h
	773147	● 500V	3P+N+	65X83 mm	7h
773224	2P+		65X83 mm	4h	
32	773234	● 110V	3P+	65X83 mm	4h
	773244		3P+N+	100X108 mm	4h
	773226		2P+	65X83 mm	6h
	773239	● 230V	3P+	65X83 mm	9h
	773249		3P+N+	100X108 mm	9h
	773229		2P+	65X83 mm	9h
	773236		3P+	65X83 mm	6h
	773246	● 400V	3P+N+	100X108 mm	6h
	773237		3P+	65X83 mm	7h
	773247		3P+N+	100X108 mm	7h
773233	● 380/440V	3P+	65X83 mm	3h	
63	773324	● 110V	2P+	100X108 mm	4h
	773334		3P+	100X108 mm	4h
	773344		3P+N+	100X108 mm	4h
	773326	● 230V	2P+	100X108 mm	6h
	773339		3P+	100X108 mm	9h
	773349		3P+N+	100X108 mm	9h
	773329		2P+	100X108 mm	9h
	773336	● 400V	3P+	100X108 mm	6h
	773346		3P+N+	100X108 mm	6h
	773337		3P+	100X108 mm	7h
	773347	● 500V	3P+N+	100X108 mm	7h
125	773434	● 110V	3P+	114X114 mm	4h
	773444		3P+N+	114X114 mm	4h
	773439	● 230V	3P+	114X114 mm	9h
	773449		3P+N+	114X114 mm	9h
	773436	● 400V	3P+	114X114 mm	6h
	773446		3P+N+	114X114 mm	6h
	773437		3P+	114X114 mm	7h
	773447	● 500V	3P+N+	114X114 mm	7h

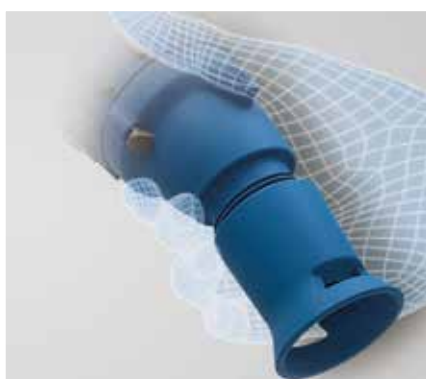
ROTOR

The Unique compact switched interlocked socket



**Switch... Isolator...
Socket Outlet...
ALL IN ONE!**

Conformity to standards	IEC/EN 60309-1 EC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Body material	Reinforced technopolymer
Protection rating (IP as per IEC/EN 60529)	IP66 / IP67 / IP69
Colour	RAL 7046 grey, RAL 5015 blue
Pin and receptacle material	Full nickel-plated brass
Resistance to abnormal heat and fire («Glow wire» as per IEC/EN 60695-2-10)	960°C (contact holders) 850°C (housings)
Self-extinguishing grade (as per UL94)	V0 (contact holders) V2 (housings)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Resistance to crushing	> 500Kg
Rated voltage	50V ÷ 690V
Utilization category	AC-23A
Rated frequency	50Hz ÷ 60Hz
Rated insulation voltage	690V
Pilot contact	63A and 125A plugs and sockets
Storage temperature	-50°C ÷ +90°C
Operating temperature	-40°C ÷ +60°C



Ergonomic comfortable grip for effortless connection

The comfortable grip offers easy and safe handling in all conditions, including the use of gloves. The rubber anti-slip coating on the safety ring enhances the grip, facilitating the switch operation even in the presence of oil. The smooth shape of the handle prevents fluid stagnation.



AC-23A switch disconnecter with independent contacts snap operation

All sockets are AC-23A certified for use with highly inductive loads. Designed for optimum safety, the built-in rotor switch inhibits access to live parts when not connected and prevents electric arcing and unwanted disconnection.



Heavy duty terminals for improved conductivity and resistance to vibrations

Heavy duty terminals with cage clamp design are standard throughout the range. This guarantees the cable integrity, ensuring good electrical conductivity and also avoid heating and damage to the cable.

▲ Rotor Connectors

50/60 Hz - IP66/IP67/IP69



Rated Current A	Part Number	Rated Operating Voltage	Poles	h. ref.
16	410124		2P+	4h
	410134	● 110V	3P+	4h
	410144		3P+N+	4h
	410126		2P+	6h
	410139	● 230V	3P+	9h
	410149		3P+N+	9h
	410129		2P+	9h
	410136	● 400V	3P+	6h
	410146		3P+N+	6h
	410137		3P+	7h
	410147	● 500V	3P+N+	7h
	32	410224		2P+
410234		● 110V	3P+	4h
410244			3P+N+	4h
410226			2P+	6h
410239		● 230V	3P+	9h
410249			3P+N+	9h
410229			2P+	9h
410236		● 400V	3P+	6h
410246			3P+N+	6h
410237			3P+	7h
410247		● 500V	3P+N+	7h
410233		● 380/440V	3P+	3h
63	410324		2P+	4h
	410334	● 110V	3P+	4h
	410344		3P+N+	4h
	410326		2P+	6h
	410339	● 230V	3P+	9h
	410349		3P+N+	9h
	410329		2P+	9h
	410336	● 400V	3P+	6h
	410346		3P+N+	6h
	410337		3P+	7h
	410347	● 500V	3P+N+	7h
	125	410434		3P+
410444		● 110V	3P+N+	4h
410439			3P+	9h
410449		● 230V	3P+N+	9h
410436			3P+	6h
410446		● 400V	3P+N+	6h
410437			3P+	7h
410447		● 500V	3P+N+	7h

▲ 65° Angled wall mounted rotor sockets

50/60 Hz - IP66/IP67/IP69



Rated current A	Rated voltage V	2P+E		3P+E		4P+E	
		Part number	h. ref.	Part number	h. ref.	Part number	h. ref.
16	● 110	416124	4	-	-	-	-
	● 230	416126	6	-	-	-	-
	● 400	-	-	416136	6	416146	6
32	● 110	416224	4	-	-	-	-
	● 230	416226	6	-	-	-	-
	● 400	-	-	416236	6	416246	6

Rated Current A	Rated Operating Voltage	Part Number	Poles	Clock Position
63	● 230V	416326	2P+⊥	6h
	● 400V	416336	3P+⊥	6h
	● 400V	416346	3P+N+⊥	6h
125	● 400V	416436	3P+⊥	6h
	● 400V	416446	3P+N+⊥	6h

Features: Rotor is padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5mm, a height of 32mm and a max wire diameter of 3.5mm.

▲ Straight panel mounted rotor sockets



Rated Current A	Part Number	Rated Operating Voltage	Flange dimensions	Poles	h. ref.
16	412124	● 110V	65x83 mm	2P+⊕	4h
	412126	● 230V	65x83 mm	2P+⊕	6h
	412136	● 400V	65x83 mm	3P+⊕	6h
	412146	● 400V	65x83 mm	3P+N+⊕	6h
32	412224	● 110V	65x83 mm	2P+⊕	4h
	412226	● 230V	65x83 mm	2P+⊕	6h
	412236	● 400V	65x83 mm	3P+⊕	6h
	412246	● 400V	100x108 mm	3P+N+⊕	6h
	412233	● 380/440V	65x83 mm	3P+⊕	3h
63	412326	● 230V	100x108mm	2P+⊕	6h
	412336	● 400V	100x108 mm	3P+⊕	6h
	412346	● 400V	100x108 mm	3P+N+⊕	6h
125	412436	● 400V	114x114 mm	3P+⊕	6h
	412446	● 400V	114x114 mm	3P+N+⊕	6h

Features: Rotor is padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5mm, a height of 32mm and a max wire diameter of 3.5mm.

* Flange Dimensions: 412236 = 65mm x 83mm / 412246 = 100mm x 108mm

▲ 20° angled panel mounted rotoswitched sockets



Rated Current A	Part Number	Rated Operating Voltage	Flange dimensions	Poles	h. ref.
16	413124	● 110V	65x83 mm	2P+⊕	4h
	413126	● 230V	65x83 mm	2P+⊕	6h
	413136	● 400V	65x83 mm	3P+⊕	6h
	413146	● 400V	65x83 mm	3P+N+⊕	6h
32	413224	● 110V	65x83 mm	2P+⊕	4h
	413226	● 230V	65x83 mm	2P+⊕	6h
	413236	● 400V	65x83 mm	3P+⊕	6h
	413246	● 400V	100x108 mm	3P+N+⊕	6h
63	413326	● 230V	100x108mm	2P+⊕	6h
	413336	● 400V	100x108 mm	3P+⊕	6h
	413346	● 400V	100x108 mm	3P+N+⊕	6h
125	413436	● 400V	114x114 mm	3P+⊕	6h
	413446	● 400V	114x114 mm	3P+N+⊕	6h

Features: Rotor is padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5mm, a height of 32mm and a max wire diameter of 3.5mm.

* Flange dimensions: 413236 = 65mm x 83mm / 413246= 100mm x 108mm

▲ 65° Angled wall mounted boxes modular with Tais system

IP66/IP67/IP68/IP69



Part Number	For flange with dimensions (mm)	Box dimensions (mm)
532131	65 x 83	92 x 125
532132	100x108	125 x 185
532133	114x114	-

▲ Wall-mounted single gang boxes modular with Tais system

IP66/IP67/IP68/IP69



Part Number	For flange with dimensions (mm)	Box dimensions (mm)
532101	65 x 83	92 x 125
532102	100x108	125 x 185
532103	114x114	-

▲ Wall-mounted double gang boxes modular with Tais system

IP66/IP67/IP68/IP69



Part Number	For flange with dimensions (mm)	Box dimensions (mm)
532121	2x (65 x 83)	92 x 255
532122	2 x (100x108)	125 x 352

▲ Boxes in thermosetting GRP

With blind cover for composition of socket boards
IP66/IP67



Part Number	Outer dimensions (mm)	Holes	Max. number of installable sockets	
			Mod. 95	Mod. 125
532200	125x185x125	-	1	1
532201	190x185x125	-	2	-
532211 *	190x185x125	2xM25	2	-
532202	250x185x125	-	2	2
532203	290x185x125	-	3	-
532204	380x185x125	-	4	3

* Equipment included: 532211 with 2 fittings M25 for rapid coupling. Supplied with drilling template.
Note: the following Palazzoli terminal blocks can be inserted into all boxes: 3x25mm², 4x16mm², 3x35mm², 4x25mm², 3x70mm², 4x35mm².

▲ Boxes in thermosetting GRP

With transparent cover for composition of socket boards
IP66/IP67



Part Number	Outer dimensions (mm)	Holes	Max. number of installable sockets		No. of DIN modules
			Mod. 95	Mod. 125	
532300	125x185x125	-	1	1	5
532301	190x185x125	-	2	-	8
532311 *	190x185x125	2xM25	2	-	8
532302	250x185x125	-	2	2	12
532303	290x185x125	-	3	-	14
532304	380x185x125	-	4	3	19

* Equipment included : 532311 with 2 fittings M25 for rapid coupling. Supplied with drilling template; Padlockable modular door.

▲ Mounting plates in thermosetting GRP

With guided system for composition of socket boards
IP66/IP67



Part Number	Outer dimensions (mm)	Max. number of installable sockets	
		Mod. 95	Mod. 125
538800	125x630	1	1
538801	190x500	2	-
538802	250x630	2	-
538803	290x500	3	2
538804	380x630	3	-

Equipment included : built-in threaded metal dowels, supplied with screws and stainless steel washers for fastening.

▲ Blind flanges for wall-mounted boxes

IP66/IP67/IP68/IP69



Part Number	For flange with dimensions (mm)
532843	65 x 83
532842	100x108

▲ Fittings for rapid coupling in technopolymer

For composition of socket boards
IP66/IP67



Part Number	Hole Type	Mounting hole (mm)	Max. diameter for cable passage (mm)
538425	M25	25.5	16
538432	M32	32.5	20

▲ Handles

IP66/IP67/IP68/IP69



Rated current A	2P+E	4P+E	3P+N+E	Entry cable diameter (mm)
	Part number	Part number	Part number	
16	419001	419002	419003	6.3-18
32	419003*	419003*	419004*	*
63	419005	419005	419005	14-36
125	419006	419006	419006	16-50

▲ Straight panel mounted flanges

IP66/IP67/IP68/IP69



Rated current A	2P+E	4P+E	3P+N+E	Entry cable diameter (mm)
	Part number	Part number	Part number	
16	419021	419022	419023	65 x 83
32	419023*	419023*	419024*	*
63	419025	419025	419025	100x108
125	419026	419026	419026	114x114

* flange dimensions for 419023 = 65mm x 83mm
 * flange dimensions for 419024 = 100mm x 108mm

▲ 20° Angled panel mounted flanges

IP66/IP67/IP68/IP69



Rated current A	2P+E	4P+E	3P+N+E	Entry cable diameter (mm)
	Part number	Part number	Part number	
16	419031	419032	419033	65 x 83
32	419033*	419033*	419034*	*
63	419035	419035	419035	100x108
125	419036	419036	419036	114x114

* flange dimensions for 419033 = 65mm x 83mm
 * flange dimensions for 419034 = 100mm x 108mm

▲ Adaptors from Pg hole to metric hole

IP66/IP67



Part Number	From hole		To metric hole
	Pg	Metric	
538421	21	M25	M25
538429	29	M32	M32
538436	36	M40	M40

Notes: They allow to couple sockets with Pg or metric hole to boxes with metric hole and vice versa.

▲ Padlock for rotor sockets



Part Number	Wire diameter (mm)	Material
419000	2.75	Steel - Brass

The padlock prevents the safety ring from turning



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SOCKETS

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- > Type 2 Surge protection device.

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- Unattended Easy to use Cashless Tap to Pay functionality - No account required.
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- Dual tethered CCS2 outlets.
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The products described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this catalog are purely illustrative, and are consequently not contractually binding. Remember also that the products themselves must be used by qualified personnel, in compliance with current plant engineering and installation standards, in order to avoid injury to persons or damage to property.

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