



Accessories

Carefully selected accessories complement the Altech/Spelsberg Enclosure family. A full line, including connectors for wire, cable, or conduit; ground/neutral busbars, mounting plates and hardware, locks, hinge kits, DIN rails, terminal block assemblies and more are available to enhance the overall design capabilities.

Altech/Spelsberg has the right accessories to make your job easier.

- Liquid Tight Strain Relief connectors and connector assemblies
- Mounting plates
- DIN rail support racks
- DIN rails
- Enclosure mounting screws
- Key lock sets
- Hinge kits
- Cover plates
- Combination kits, flange type
- Ground/neutral busbars



Combination Kits

Used to combine series specific enclosures to make larger units. Connect horizontally or vertically.

Fitting Type Combination Kit

Threaded with locknut seal for connecting sidewalls. Fits standard Metric knockouts. Drilling template included to ensure enclosure ingress integrity.

Pin Type Combination Set

For combining AK and AKL Series Enclosures for 150mm and 300mm sides.



Din Rails

DIN rails allow for mounting DIN Terminal Blocks and other control components. All required hardware included.

TS15x5 mm / for TK+Abox Series

TS15x5 mm / for TG Series

(mounting hardware comes with enclosure)



TS35x7.5 mm / for TK+Abox Series

TS35x7.5 mm / for TG Series

(mounting hardware comes with enclosure)

TS35x7.5 mm / Special Variants

TS35x7.5 mm / for AL Series

| Type | Wall Thickness For Series | Cat. No. | Std. Pack |
|---------|---------------------------|----------|-----------|
| CK/M20 | 2x3 mm | 192-020 | 1 |
| CK/M25 | 2x3 mm | 192-025 | 1 |
| CK/M32 | 2x3.5 mm | 192-032 | 1 |
| CK/AKII | AK, AKL | 791-001 | 1 |

| Type | For Series | Cat. No. | Std. Pack |
|-----------|--------------|----------|-----------|
| TS15/49.5 | TK77, 97 | 197-049 | 1 |
| TS15/80 | TK97, 99 | 197-080 | 1 |
| TS15/92 | TK1111 | 197-092 | 1 |
| TS15/111 | TK1309, 1313 | 197-111 | 1 |
| TS15/154 | TK1809 | 197-154 | 1 |
| TS15/68 | TG88 | 197-069 | 1 |
| TS15/106 | TG1208 | 197-107 | 1 |
| TS15/110 | TG1212 | 197-110 | 1 |
| TS15/146 | TG1608, 1612 | 197-146 | 1 |
| TS15/186 | TG2012 | 197-186 | 1 |
| TS15/170 | TG2015 | 197-170 | 1 |
| TS15/222 | TG2516 | 197-222 | 1 |
| TS15/285 | TG3023 | 197-285 | 1 |

| | | | |
|----------|---------------------------------|---------|---|
| TS35/81 | TK1111, Abox060 | 198-081 | 1 |
| TS35/106 | TK1309, 1313, Abox100, HP150 | 198-106 | 1 |
| TS35/144 | TK1809, 1811, 1813, 1818, HP190 | 198-144 | 1 |
| TS35/144 | Abox160 | 894-016 | 1 |
| TS35/216 | TK2518 | 198-216 | 1 |
| TS35/216 | Abox350 | 894-035 | 1 |
| TS35/336 | TK3625 | 198-336 | 1 |
| TS35/68 | TG88 | 198-068 | 1 |
| TS35/106 | TG1208 | 198-107 | 1 |
| TS35/110 | TG1212 | 198-110 | 1 |
| TS35/146 | TG1608, 1612 | 198-146 | 1 |
| TS35/186 | TG2012 | 198-186 | 1 |
| TS35/170 | TG2015 | 198-170 | 1 |
| TS35/222 | TG2516 | 198-222 | 1 |
| TS35/285 | TG3023 | 198-285 | 1 |

| | | | |
|------------|---------------------|---------|---|
| CITS35/250 | AKII, AKL | 562-735 | 1 |
| NS35/216-3 | AKII, AKL, EK12, 24 | 795-030 | 1 |

| | | | |
|----------|--------|---------|---|
| TS35/110 | AL1212 | 162-009 | 1 |
| TS35/208 | AL2212 | 162-010 | 1 |
| TS35/145 | AL1616 | 162-011 | 1 |
| TS35/245 | AL2616 | 162-012 | 1 |
| TS35/345 | AL3616 | 162-013 | 1 |
| TS35/186 | AL2023 | 162-014 | 1 |
| TS35/266 | AL2823 | 162-015 | 1 |
| TS35/316 | AL3323 | 162-016 | 1 |

Component Mounting Screws

For mounting DIN rails, mounting plates, etc. into molded base holes.

- Select appropriate length
- Self tapping



| Type | For Series | Cat. No. | Std. Pack |
|--------------|-------------|----------|-----------|
| ST/3.9x9 mm | For | D-409 | 100 |
| ST/3.9x13 mm | All Plastic | D-413 | 100 |
| ST/3.9x17 mm | Series | D-417 | 100 |
| ST/3.9x28 mm | | D-428 | 100 |



Hinge Kits

Attach the enclosure cover and base together for easy opening and closing of the enclosure. All required hardware and instructions are included.

- Small Plastic**
- Large Plastic**
- TG Internal Plastic**
- Metal**



Enclosure Lid Screws

Replacements for existing screws.

- Short-Gray**
- Long-Gray**
- Short-Black**
- Long-Black**

Thumb Screw Caps



Locksets

Locksets prevent the unauthorized opening of enclosure lids or doors.

KL Locksets with two keys easily install into hinged transparent doors.

Enclosure Padlock and Hinge set with all mounting accessories.



Mounting Tabs

Enables enclosure to be surface mounted. 1 set = 4 mounting tabs

Plastic

Metal



Snap In Double Membrane Entry Seals

- Fits and seals removed Pg knockouts
- IP66
- Features two integral sealing membranes



Universal Snap In Entry Seal

- IP55
- Polyethylene
- Cut steps to fit desired cable size



Snap In Air Vents

- Allows moisture to escape from the enclosure
- Labyrinth seal to prevent water formation
- IPX4

Threaded Vent - M12x1.5

- Provides pressure compensation
- Air permeable and water-tight membrane
- Reduces condensation formation
- IP68

| Type | For Series | Cat. No. | Std. Pack |
|-------|-------------------------------------|----------|-----------|
| HK1 | TK77 - 1809, EK002 | 190-002 | 1 |
| HK2 | TK1811 - 3625, EK004 - 024, AK, AKL | 190-005 | 1 |
| TGISS | TGxx12 and TG2015-TG3023 | 182-001 | 1 |
| HK-AL | AL1212 - AL3323 | 154-210 | 1 |

| Type | For Series | Cat. No. | Std. Pack |
|---------|------------------------------|----------|-----------|
| TKLS-SG | TK - low cover, gray | 190-010 | 1 |
| TKLS-LG | TK - high cover, gray | 190-011 | 1 |
| TKLS-SB | TK - low cover, transparent | 190-012 | 1 |
| TKLS-LB | TK - high cover, transparent | 190-013 | 1 |
| TS | TK, EK, AK, AKL | 190-001 | 1 |

| Type | For Series | Cat. No. | Std. Pack |
|------|----------------------|----------|-----------|
| KL2 | AK | 706-102 | 1 |
| PL | AK, AKL, TK1811 & up | 190-100 | 1 |

| Type | For Series | Cat. No. | Std. Pack |
|--------|-----------------------|----------|-----------|
| MT1 | TK, EK | 194-001 | 1 |
| TGABL | TG | 182-002 | 1 |
| MT2 | AKL, AK14 and up | 793-004 | 1 |
| MT-AL1 | AL66-3 to AL1010-8 | 154-004 | 1 |
| MT-AL2 | AL1212-8 to AL3323-11 | 154-006 | 1 |

| Mounting Hole Type | Cable Dia. mm (in.) | Cat. No. | Std. Pack |
|--------------------|------------------------|----------|-----------|
| M16 | 5 - 9 (.20 - .35) | 260-416 | 50 |
| M20 | 7 - 12 (.28 - .47) | 260-420 | 50 |
| M25 | 9 - 16 (.35 - .63) | 260-425 | 50 |
| M32 | 14 - 21 (.55 - .83) | 260-432 | 25 |
| M20 | 5 - 16 (.20 - .63) | 216-420 | 100 |
| M25 | 5 - 21 (.20 - .83) | 216-425 | 50 |
| M32 | 13 - 26.5 (.51 - 1.04) | 216-432 | 25 |
| M20 | N/A | 262-420 | 100 |
| M12 | N/A | 262-412 | 5 |

Mounting Plates

TK Series

Complete with screws.
Hole patterns match mounting provisions in enclosure base.



Plastic laminate 2.5 mm (.10 in) thick.
Color: Gray

Steel 2.0 mm (.08 in) thick.

TG Series*

Plastic laminate 2.5 mm (.10 in) thick.
Color: Gray



Steel 2.0 mm (0.08 in) thick.

Abox Series

Plastic laminate
Color: Gray



Aluminum Series

Steel plates for the mounting and installation of large / heavy devices and components.
- For AL Series only



AK Series

Plastic laminate 4 mm (.16 in) thick
Color: Gray

Steel 2.0 mm (0.08 in) thick.

| Type | Enclosure Series | Size mm (in.) | Cat. No. | Std. Pack |
|------------|------------------|----------------------|----------|-----------|
| TKMPI-55 | TK55 | 46x44 (1.81x1.73) | 195-055 | 5 |
| TKMPI-75 | TK75 | 59x44 (2.32x1.73) | 195-075 | 5 |
| TKMPI-77 | TK77 | 45x45 (1.77x1.77) | 195-001 | 1 |
| TKMPI-97 | TK97 | 74x45 (2.91x1.77) | 195-002 | 1 |
| TKMPI-99 | TK99 | 74x74 (2.91x2.91) | 195-003 | 1 |
| TKMPI-1111 | TK1111 | 90x90 (3.54x3.54) | 195-004 | 1 |
| TKMPI-1309 | TK1309 | 110x74 (4.33x2.91) | 195-009 | 1 |
| TKMPI-1313 | TK1313 | 110x110 (4.33x4.33) | 195-005 | 1 |
| TKMPI-1809 | TK1809 | 160x74 (6.30x2.91) | 195-010 | 1 |
| TKMPI-1811 | TK1811 | 150x90 (5.91x3.54) | 195-006 | 1 |
| TKMPI-1813 | TK1813 | 146x100 (5.75x3.94) | 195-011 | 1 |
| TKMPI-1818 | TK1818 | 150x150 (5.91x5.91) | 195-007 | 1 |
| TKMPI-2518 | TK2518 | 220x150 (8.66x5.91) | 195-008 | 1 |
| TKMPI-3625 | TK3625 | 331x220 (13.03x8.66) | 195-012 | 1 |
| TKMPS-77 | TK77 | 45x45 (1.77x1.77) | 197-001 | 1 |
| TKMPS-97 | TK97 | 75x45 (2.95x1.77) | 197-002 | 1 |
| TKMPS-99 | TK99 | 74x74 (2.91x2.91) | 197-003 | 1 |
| TKMPS-1111 | TK1111 | 90x90 (3.54x3.54) | 197-004 | 1 |
| TKMPS-1309 | TK1309 | 110x74 (4.33x2.91) | 197-009 | 1 |
| TKMPS-1313 | TK1313 | 110x110 (4.33x4.33) | 197-005 | 1 |
| TKMPS-1809 | TK1809 | 160x74 (6.30x2.91) | 197-010 | 1 |
| TKMPS-1811 | TK1811 | 150x90 (5.91x3.54) | 197-006 | 1 |
| TKMPS-1813 | TK1813 | 146x100 (5.75x3.94) | 197-011 | 1 |
| TKMPS-1818 | TK1818 | 150x150 (5.91x5.91) | 197-007 | 1 |
| TKMPS-2518 | TK2518 | 220x150 (8.66x5.91) | 197-008 | 1 |
| TKMPS-3625 | TK3625 | 331x220 (13.03x8.66) | 197-012 | 1 |
| TGMPI-88 | TG88 | 73x73 (2.87x2.87) | 186-003 | 1 |
| TGMPI-1208 | TG1208 | 91x73 (3.58x2.87) | 186-004 | 1 |
| TGMPI-1212 | TG1212 | 113x93 (4.45x3.58) | 186-005 | 1 |
| TGMPI-1608 | TG1608 | 131x73 (5.16x2.87) | 186-006 | 1 |
| TGMPI-1612 | TG1612 | 131x113 (5.16x4.45) | 186-007 | 1 |
| TGMPI-2012 | TG2012 | 171x113 (6.73x4.45) | 186-008 | 1 |
| TGMPI-2015 | TG2015 | 171x143 (6.73x5.63) | 186-009 | 1 |
| TGMPI-2516 | TG2516 | 220x152 (8.66x5.98) | 186-012 | 1 |
| TGMPI-3023 | TG3023 | 270x220 (10.63x5.98) | 186-013 | 1 |
| TGMPS-88 | TG88 | 73x73 (2.87x2.87) | 187-003 | 1 |
| TGMPS-1208 | TG1208 | 91x73 (3.58x2.87) | 187-004 | 1 |
| TGMPS-1212 | TG1212 | 113x93 (4.45x3.58) | 187-005 | 1 |
| TGMPS-1608 | TG1608 | 131x73 (5.16x2.87) | 187-006 | 1 |
| TGMPS-1612 | TG1612 | 131x113 (5.16x4.45) | 187-007 | 1 |
| TGMPS-2012 | TG2012 | 171x113 (6.73x4.45) | 187-008 | 1 |
| TGMPS-2015 | TG2015 | 171x143 (6.73x5.63) | 187-009 | 1 |
| TGMPS-2516 | TG2516 | 220x152 (8.66x5.98) | 187-012 | 1 |
| TGMPS-3023 | TG3023 | 270x220 (10.63x5.98) | 187-013 | 1 |
| MP060 | Abox060 | 83x83 (3.27x3.27) | 895-006 | 1 |
| MP100 | Abox100 | 109x109 (4.29x4.29) | 895-010 | 1 |
| MP160 | Abox160 | 149x149 (5.87x5.87) | 895-016 | 1 |
| MP350 | Abox350 | 217x217 (8.54x8.54) | 895-035 | 1 |
| ALMPS-88 | AL88 | 68.8x64 (2.71x2.52) | 155-005 | 1 |
| ALMPS-1308 | AL1308 | 114x68.8 (4.49x2.71) | 155-006 | 1 |
| ALMPS-1808 | AL1808 | 164x68.8 (6.46x2.71) | 155-007 | 1 |
| ALMPS-1010 | AL1010 | 88x88 (3.46x3.46) | 155-008 | 1 |
| ALMPS-1212 | AL1212 | 109x107 (4.29x4.21) | 155-009 | 1 |
| ALMPS-2212 | AL2212 | 207x107 (8.15x4.21) | 155-010 | 1 |
| ALMPS-1616 | AL1616 | 145x143 (5.71x5.63) | 155-011 | 1 |
| ALMPS-2616 | AL2616 | 245x143 (9.65x5.63) | 155-012 | 1 |
| ALMPS-3616 | AL3616 | 345x143 (13.6x5.63) | 155-013 | 1 |
| ALMPS-2023 | AL2023 | 214x184 (8.43x7.24) | 155-014 | 1 |
| ALMPS-2823 | AL2823 | 264x214 (10.4x8.43) | 155-015 | 1 |
| ALMPS-3323 | AL3323 | 314x214 (12.4x8.43) | 155-016 | 1 |
| AKMPI 1 | AK, AKL | 240x112 (9.45x4.41) | 795-001 | 1 |
| AKMPI 2 | AK, AKL | 240x240 (9.45x9.45) | 795-002 | 1 |
| AKMPI 3 | AK, AKL | 240x390 (9.45x15.35) | 795-003 | 1 |
| AKMPI 4 | AK, AKL | 240x540 (9.45x21.26) | 795-004 | 1 |
| AKMPS 2 | AK, AKL | 240x240 (9.45x9.45) | 795-012 | 1 |
| AKMPS 3 | AK, AKL | 240x390 (9.45x15.35) | 795-013 | 1 |
| AKMPS 4 | AK, AKL | 240x540 (9.45x21.26) | 795-014 | 1 |

*Mounting hardware included with enclosure.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru