# 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

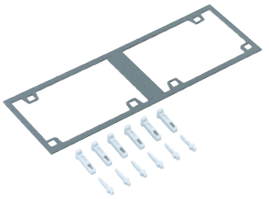
Altech by els spelsberg

## 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.

| 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 |



**Pin Type Combination Set**
For combining AK and AKL Series Enclosures for 150mm and 300mm sides.

| | | | |
|---|---|---|---|
| CK/AKII | AK, AKL | 791-001 | 1 |

## Din Rails

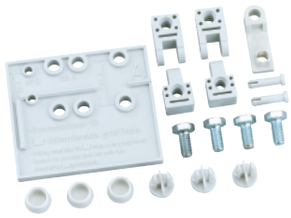
DIN rails allow for mounting DIN Terminal Blocks and other control components. All required hardware included.

| Type | For Series | Cat. No. | Std. Pack |
|---|---|---|---|
| **TS15x5 mm / for TK+Abox Series** | | | |
| 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 |
| **TS15x5 mm / for TG Series** (mounting hardware comes with enclosure) | | | |
| 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 |
| **TS35x7.5 mm / for TK+Abox Series** | | | |
| 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 |
| **TS35x7.5 mm / for TG Series** (mounting hardware comes with enclosure) | | | |
| 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 |
| **TS35x7.5 mm / Special Variants** | | | |
| CITS35/250 | AKII, AKL | 562-735 | 1 |
| NS35/216-3 | AKII, AKL, EK12, 24 | 795-030 | 1 |
| **TS35x7.5 mm / for AL Series** | | | |
| 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.

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

## Enclosure Lid Screws

Replacements for existing screws.

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

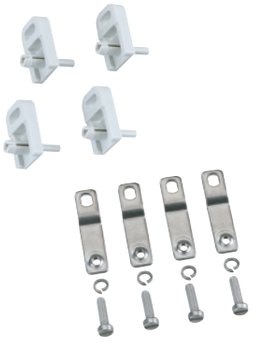
## Locksets

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.

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



## Mounting Tabs

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

| Type | For Series | Cat. No. | Std. Pack |
|---|---|---|---|
| **Plastic** | MT1 | TK, EK | 194-001 | 1 |
| | TGABL | TG | 182-002 | 1 |
| **Metal** | 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 |

## Snap In and Threaded Entry Spouts and Vents

| Mounting Hole Type | Cable Dia. mm (in.) | Cat. No. | Std. Pack |
|---|---|---|---|
| **Snap In Double Membrane Entry Seals** | | | |
| - Fits and seals removed Pg knockouts | M16 | 5 - 9 (.20 - .35) | 260-416 | 50 |
| - IP66 | M20 | 7 - 12 (.28 - .47) | 260-420 | 50 |
| - Features two integral sealing membranes | M25 | 9 - 16 (.35 - .63) | 260-425 | 50 |
| | M32 | 14 - 21 (.55 - .83) | 260-432 | 25 |

**Universal Snap In Entry Seal**

| | | | |
|---|---|---|---|
| - IP55 | M20 | 5 - 16 (.20 - .63) | 216-420 | 100 |
| - Polyethelyene | M25 | 5 - 21 (.20 - .83) | 216-425 | 50 |
| - Cut steps to fit desired cable size | M32 | 13 - 26.5 (.51 - 1.04) | 216-432 | 25 |

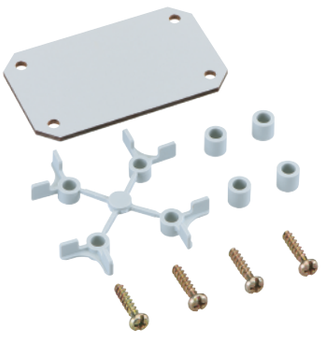
**Snap In Air Vents**

| | | | |
|---|---|---|---|
| - Allows moisture to escape from the enclosure | M20 | N/A | 262-420 | 100 |
| - Labyrinth seal to prevent water formation | | | | |
| - IPX4 | | | | |

**Threaded Vent - M12x1.5**

| | | | |
|---|---|---|---|
| - Provides pressure compensation | M12 | N/A | 262-412 | 5 |
| - Air permeable and water-tight membrane | | | | |
| - Reduces condensation formation | | | | |
| - IP68 | | | | |

## 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

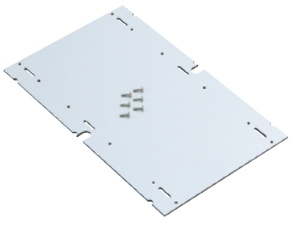
**Steel** 2.0 mm (.08 in) thick.

**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.

*Mounting hardware included with enclosure.

| 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 |

LifeElectronics
Живое партнерство

**ООО «ЛайфЭлектроникс»** **“LifeElectronics” LLC**

*ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703*

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