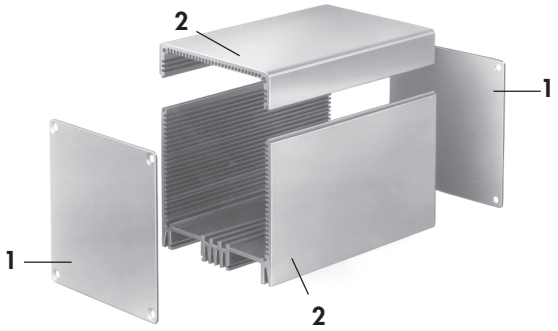
Kombinationsgehäuse | Combination case | Boîtier combiné



1 Deckplatte
cover plate
couvercle

2 Aluminiumprofil
aluminium profile
profil aluminium

- Gehäuse für 100 mm Europakarten mit vielfältigen Kombinationsmöglichkeiten
- integrierte Führungsnuten im Raster 5,08 mm (1 TE)
- die 2 mm starken Deckplatten können nach Ihren Wünschen gelocht und bedruckt werden
- EMV gerechte Ausführung durch elektrisch leitfähige Oberflächen (TP) und zusätzliche leitfähige Dichtungen. (Ergibt auch Schutzklasse IP54) ➜ M 19
- die Profile der Serie KO sind untereinander sowie mit den Profilen der Kasettenbauformen HB und M kombinierbar

Profilausführungen:
KO H = Haube
KO E = 19" Einschubkassette
KO K = Kühlrippen
KO L = Schraublasche
KO W = Wärmeableitgehäuse
KO N = Nut für Schiebemutter M 4
KO T = mit integrierter Klammerbefestigung für 35 mm DIN-Trageschiene
KO P = Pultaufsatz mit Intergrationsmöglichkeit von Frontfolien oder Folientastaturen
KO F = mit THFU Montagemöglichkeit

- case for 100 mm Eurocards with various combination possibilities
- integrated guide slots in 5,08 mm grid spacing (1 HP)
- the 2 mm thick front panels can be drilled and printed according to your requirements
- Suitable version for EMC by means of electrical conductive surfaces (TP) and additional conductive seals (results also in proof specification IP 54) ➜ M 19
- the KO series profiles can be combined with one another as well as with profiles of module designs HB and M

Profile versions:
KO H = cover
KO E = 19" insert module
KO K = cooling fins
KO L = screw strap
KO W = cooling case
KO N = slot for sliding nut M 4
KO T = with integrated fixing clamp for 35 mm DIN mounting rail
KO P = Desk cover with the possibility to integrate foils on front or foil keyboards
KO F = with THFU installation possibility

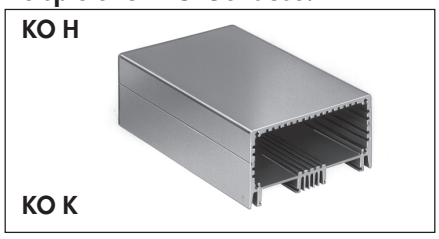
- boîtier pour carte Euro de 100 mm avec diverses possibilités de combinaison
- rainures de guidage intégrées avec pas de 5,08 mm (1 UL)
- les couvercles d'épaisseur 2 mm peuvent être percés et imprimés suivant vos instructions
- Version pour CEM au moyen des surfaces conductrices (TP) et de plus par blindages conductrices (donnent aussi la protection IP 54) ➜ M 19
- les profils de la série KO peuvent être combinés entre eux ainsi qu'avec les profils des cassettes forme HB et M

Types de profilés:
KO H = capot
KO E = cassette d'insertion 19"
KO K = ailettes de dissipation
KO L = attache à vis
KO W = boîtier de dissipation
KO N = fente pour écrou coulissant M 4
KO T = avec fixation à clip pour verrou rail DIN 35 mm
KO P = Couvercle de console avec la possibilité d´intégreer eds feuilles avantes ou des claviers en feuille
KO F = avec la possibilité d'assembler avec THFU

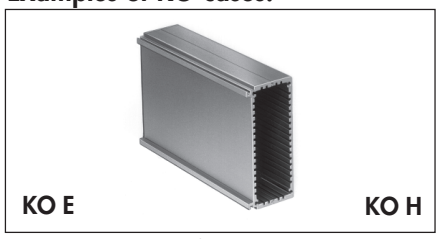
Profil als Meterware ⟷ 1000 mm
Beispiele für KO-Gehäuse:

Profile in metre lengths ⟷ 1000 mm
Examples of KO-cases:

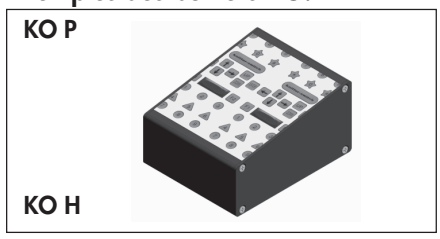
Profilés en mètre courant ⟷ 1000 mm
Exemples des boîtiers KO:



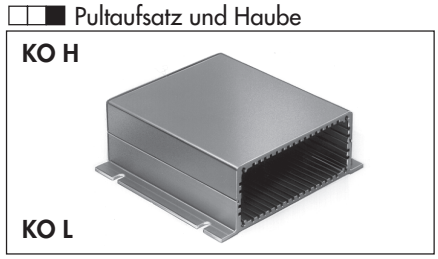
■□□ Haube und Kühlrippen
■■□ Haube und Einschubkassette
□□■ Pultaufsatz und Haube



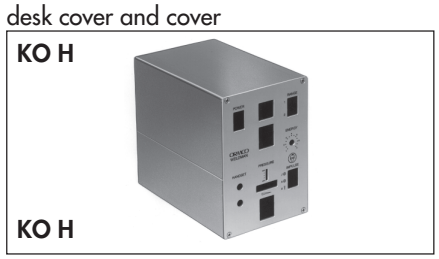
cover and cooling fins
cover and insert module
desk cover and cover



capôt et ailettes de dissipation
capôt et cassette d'insertion
couvercle de console et capôt



■□□ Haube und Schraublasche
■■□ mit kundenspezifischer Deckplatte
□□■ für 35 mm DIN-Tragschiene



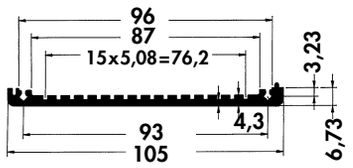
Cover and screw strap
with cover plate to customer's specification
for 35 mm DIN mounting rail

capôt et attache à vis
avec couvercle suivant demande du client
pour verrou rail DIN 35 mm

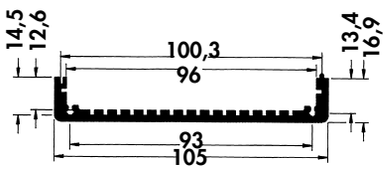
M

Kombinationsgehäuse | Combination case | Boîtier combiné

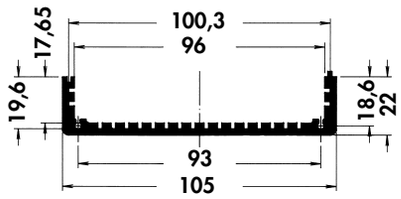
KO H 0



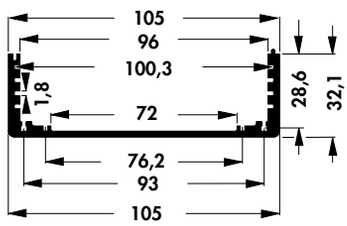
KO H 1



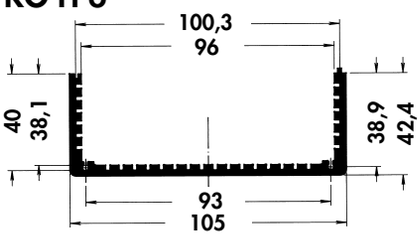
KO H 2



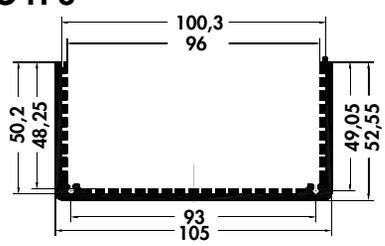
KO H 4A



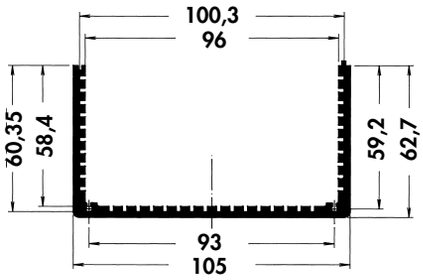
KO H 6



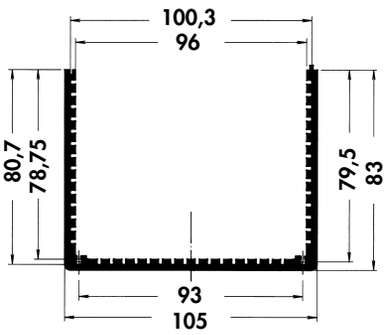
KO H 8



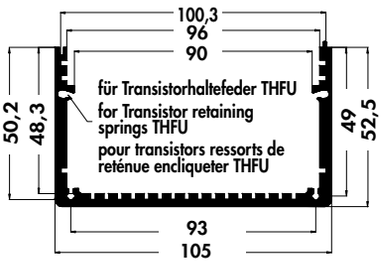
KO H 10



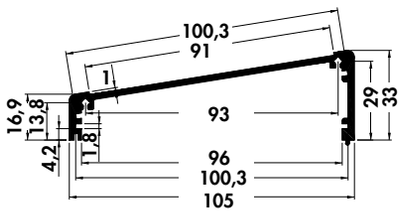
KO H 14



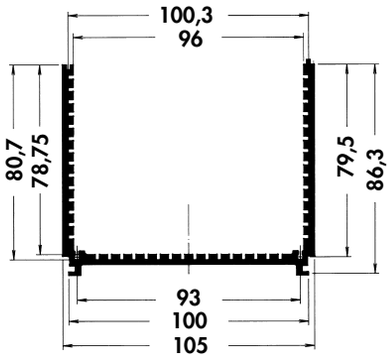
KO F 3



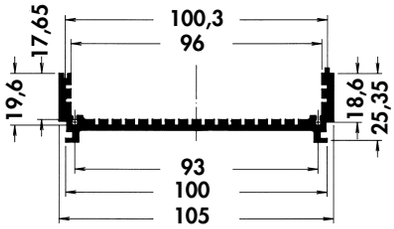
KO P 2



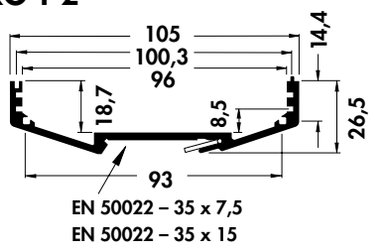
KO E 14



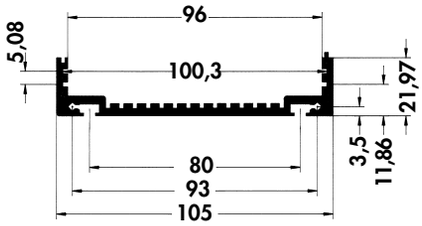
KO E 2

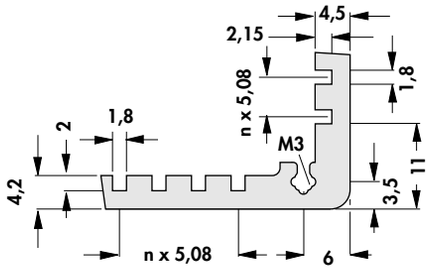


KO T 2



KO N 2

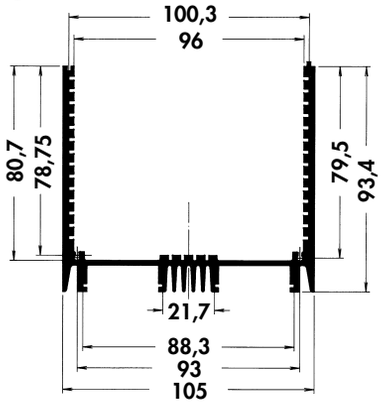




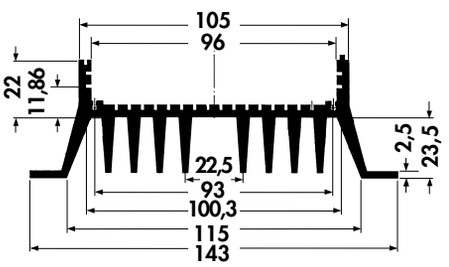
Schiebemutter M 4 passend für KON
Art. Nr. SM 4
Slide nut M 4 suitable for KON
Art. No. SM 4
Erou coulissant convenable pour KON
Art. n° SM 4

M

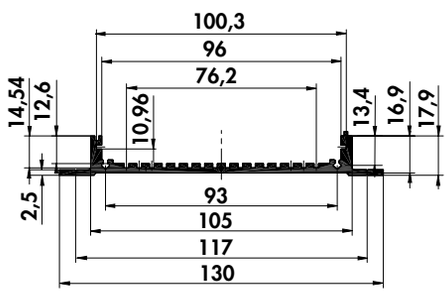
KO K 14



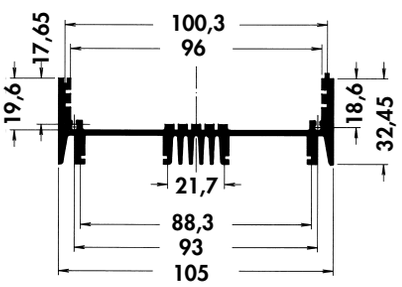
KO W 2



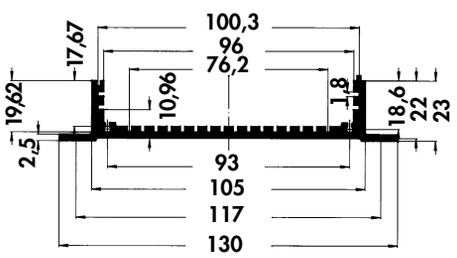
KO L 1



KO K 2



KO L 2



M

Andere Kombinationsmöglichkeiten, Anzahl der Führungsnuten oder Oberflächenausführungen auf Anfrage

Other combination possibilities, number of the guide slots or surface finishes on request

Autres possibilités de combinaison, nombres de rainures de guidage et finitions de surface sur demande

Kombinationsgehäuse | Combination case | Boîtier combiné

Bestellbeispiel | Order example | Exemple de commande

KO K 2 — erstes Profil / first profile / premier profilé

KO H 10 — zweites Profil / second profile / deuxiéme profilé

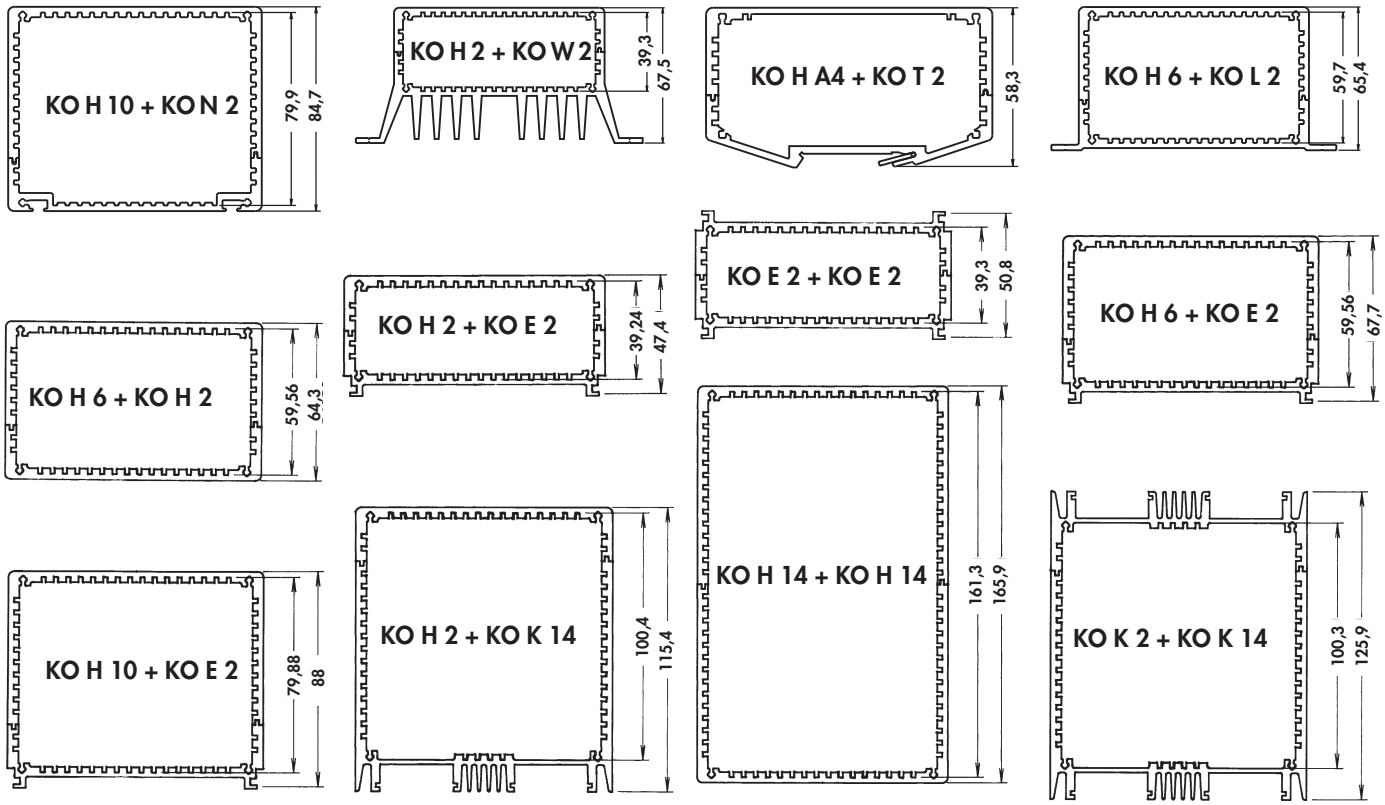
160 — lieferbare Innenlängen: 100, 120, 160, 200, 220 mm
available lengths (internal dimension): 100, 120, 160, 200, 220 mm
longueurs intérieures livrables: 100, 120, 160, 200, 220 mm

MS — gewünschte Oberflächenausführung:
SA = komplettes Gehäuse schwarz eloxiert
ME = komplettes Gehäuse naturfarbig eloxiert
MS = Gehäuseprofil schwarz eloxiert, Deckplatten naturfarbig eloxiert
TP = komplettes Gehäuse transparent passiviert
andere Oberflächen auf Anfrage

requested surface finish:
SA = complete case black anodised
ME = complete case clear anodised
MS = case profile black anodised, cover panels clear anodised
TP = complete case transparent passivated
other surfaces on request

finition souhaitée:
SA = boîter complet, anodisé noir
ME = boîter complet, anodisé nature
MS = profilé de boîtier, anodisation noire, couvercles anodisation nature
TP = boîter complet, passivé transparent
autres surfaces sur demande

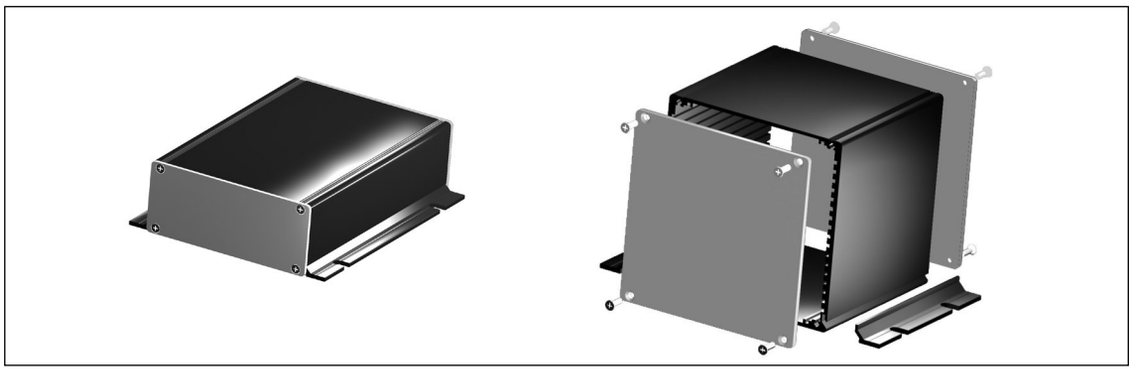
Komplette Gehäuse/ Kombinationsmöglichkeiten | Complete cases/ Combination possibilities | Boîtiers complets/ Possibilités de combinaison



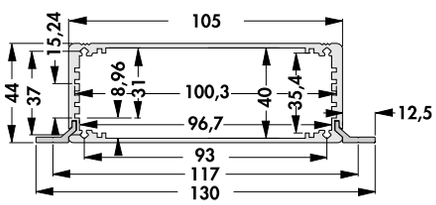
M

Aluminium-Kleingehäuse	Miniature aluminium case	Boîtier AL de petite dimension	➜ M 23 – 26
EMV-Dichtungen	EMC seals	Joints CEM	➜ M 19 – 20
Frontplatten nach Kundenwunsch	Front panels to customer's request	Faces avant à la demande du client	➜ M 37 – 38
Pultgehäuse	Desk consoles	Consoles	➜ M 7

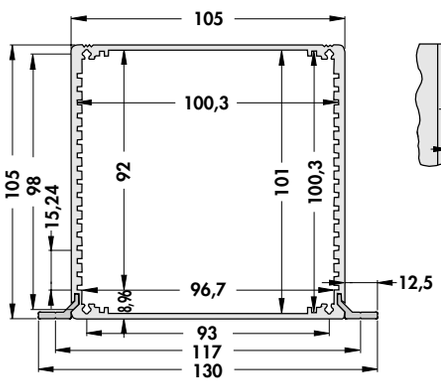
Tubusgehäuse | Tube case | Boîtier à tunnel

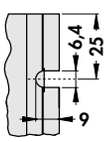


TUG 05

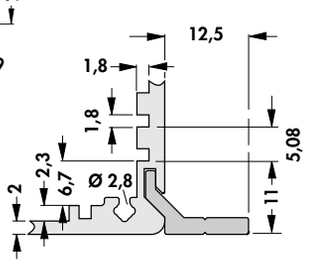


TUG 17





Befestigungsschlitze
fixing slots
découpes de fixation



- Gehäuse für 100 mm Europakarten mit integrierten Führungsnuten im Raster 5,08 mm (1TE)
- EMV gerechte Version durch chromfrei transparent passivierte (elektrisch leitende) Oberfläche
- schraublose Montage der Befestigungslaschen
- Gehäuse mit Dichtung bis Schutzart IP 54 **(TUG 05: EDKO 044 ➜ M 20; TUG 17: EDKO 105 ➜ M 20)**
- die 3 mm Deckelplatten können nach Ihren Wünschen gelocht und bedruckt werden
- Lieferung als zerlegter Bausatz incl. Deckelplatten und Montagematerial

- case for 100 mm Eurocards with integrated guide slots in 5.08 mm grid spacing (1 HP)
- EMC compatible version due to chrome-free transparent passivated (electrically conductive) surface
- mounting of the fixing straps without screws
- case with seal up to IP 54 **(TUG 05: EDKO 044 ➜ M 20; TUG 17: EDKO 105 ➜ M 20)**
- the 3 mm thick covers can be machined and printed as per your requirements
- delivered as unassembled set, including covers and mounting material

- boîtier avec rainures de guidages intégrées pour cartes Euro à pas de 5,08 mm (1TE)
- version convenable pour CEM en raison du traitement passivé transp. sans chrome (électriquem. conductible)
- assemblage des attaches de fixation sans vis
- boîtier avec blindage jusqu'à la protection IP 54 **(TUG 05: EDKO 044 ➜ M 20; TUG 17: EDKO 105 ➜ M 20)**
- les couvercles de 3 mm d'épaisseur peuvent être usinées et imprimées suivant vos instructions
- livré en jeu non-monté, couvercles et matériel de fixation inclu

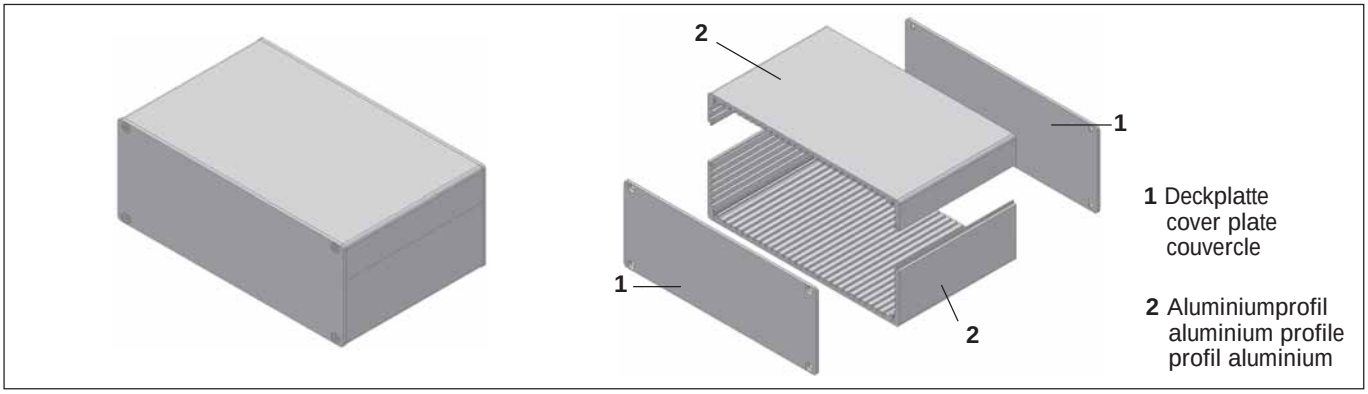
Bestellbeispiel | Order example | Exemple de commande

TUG 05 | 160 | L | MS

Typ	**lieferbare Innenlängen: 100, 120, 160, 200, 220 mm**	**nur angeben wenn gewünscht: Befestigungslaschen**	**gewünschte Oberflächenausführung: SA = komplettes Gehäuse schwarz eloxiert MS = Gehäuseprofil schwarz eloxiert, Deckelplatten naturfarbig eloxiert LP = außen schwarz lackiert/innen chromfrei transparent passiviert**
Type	**available lengths: 100, 120, 160, 200, 220 mm**	**indicate only if required: fixing strap**	**requested surface finish: SA = complete case black anodised MS = case profile black anodised, cover panels natural colour anodised LP = exterior black painted/inside chrome-free transp. passivated**
Type	**longueurs intérieures livrables: 100, 120, 160, 200, 220 mm**	**indiquer seulement si désiré: attache de fixation**	**finition souhaitée: SA = boîtier complet anodisé noir MS = profilé de boîtier anodisé noir, couvercles anodisées couleur nature LP = extérieur peint noir/intérieur passivé transparent sans chrome**

M

Kombinationsgehäuse | Combination case | Boîtier combiné

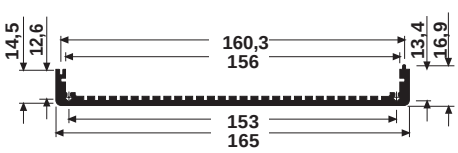


- Gehäuse für 160 mm Europakarten mit vielfältigen Kombinationsmöglichkeiten
- integrierte Führungsnuten im Raster 5,08 mm (1 TE)
- die 2 mm starken Deckplatten können nach Ihren Wünschen gelocht und bedruckt werden
- EMV gerechte Ausführung durch elektrisch leitfähige Oberflächen (TP) und zusätzliche leitfähige Dichtungen. (Ergibt auch Schutzklasse IP54)

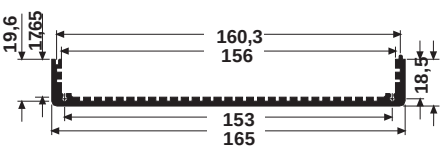
- case for 160 mm Eurocards with various combination possibilities
- integral guide slots in 5.08 mm grid spacing (1 HP)
- the 2 mm thick front panels can be drilled and printed according to your requirements
- Suitable version for EMC by means of electrical conductive surfaces (TP) and additional conductive seals (results also in proof specification IP 54)

- boîtier pour carte Euro de 160 mm avec diverses possibilités de combinaison
- rainures de guidage intégrées dans le pas de 5,08 mm (1 UL)
- les couvercle de 2 mm d'épaisseur peuvent être percés et imprimés suivant vos instructions
- Version pour CEM au moyen des surfaces conductrices (TP) et de plus par blindages conductrices (donne aussi la protection IP 54)

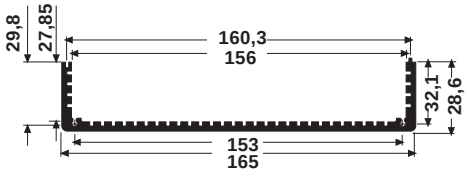
KO HL 1

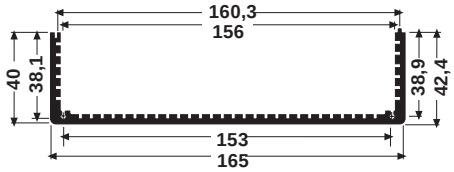


KO HL 2

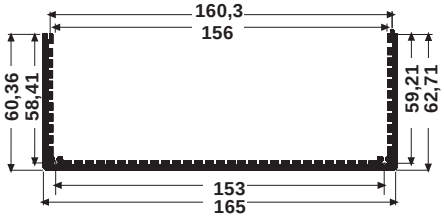


KO HL 4

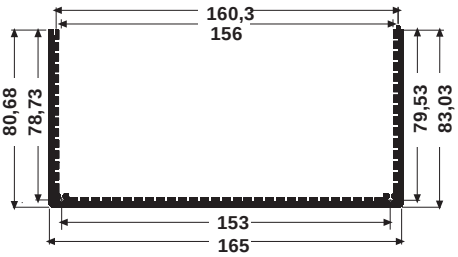




KO HL 6



KO HL 10



KO HL 14

Bestellbeispiel | Order example | Exemple de commande

KO HL 2	KO HL 6	160	MS
erstes Profil	zweites Profil	lieferbare Innenlängen: 100, 120, 160, 200, 220, 234 mm	gewünschte Oberflächenausführung: SA = komplettes Gehäuse schwarz eloxiert ME = komplettes Gehäuse naturfarbig eloxiert MS = Gehäuseprofil schwarz eloxiert, Deckplatten naturfarbig eloxiert TP = komplettes Gehäuse chromfrei transparent passiviert
first profile	second profile	available lengths (internal dimension): 100, 120, 160, 200, 220, 234 mm	requested surface finish: SA = complete case black anodised ME = complete case clear anodised MS = case profile black anodised, cover panels clear anodised TP = complete case chrome-free transparent passivated
premier profilé	deuxiéme profilé	longueurs intérieures livrables: 100, 120, 160, 200, 220, 234 mm	finition souhaitée: SA = boîtier complet, anodisé noir ME = boîtier complet, anodisé nature MS = profilé de boîtier, anodisation noire, couvercles anodisation nature TP = boîtier complet, passivé transparent sans chrome

M

Einschubkassetten	Insert modules	Cassettes enfichables	➜ N 79 – 102
Frontplatten nach Kundenwunsch	Front panels to customer's request	Faces avant à la demande du client	➜ M 37 – 38
Aluminium-Kleingehäuse	Miniature aluminium case	Boîtier AL de petite dimension	➜ M 23 – 26
EMV-Dichtungen	EMC-seals	Joints CEM	➜ M 19 –20