



- Modern enclosure system for control and display systems
- Flexible size variability in height and width, 3 enclosure depths
- Easy mounting of door hinge
- Integrated handle system

Technical data

Material:

Profile: DIN EN 573 EN AW-ALMgSi

Cast corner: DIN EN AC-AISI 12Cu 1 (Fe)

Seal:

Material: corner: PE seal

Front plate: CR seal

Painting / surface:

Powder coating or

natural anodized

Colour:

Profile: optional RAL 7035 or natural anodized

Corner element: optional RAL 7035 or RAL 9007

Special colour on request

Ingress protection:

IP 65 to EN 60529

Temperature range:

-30°C to +80°C

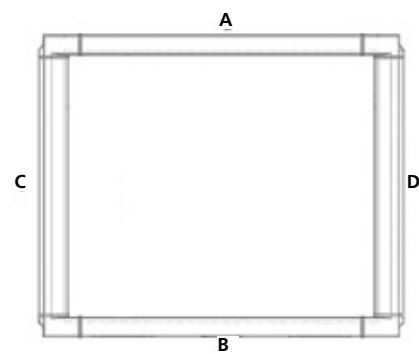
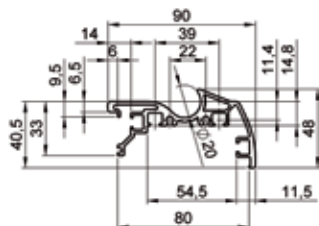
Included in delivery

Complete enclosure system incl. corners, seals, fixing elements, rear panel or door, front panel fixing set.

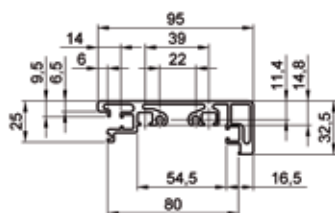
SL 4000

I. Profiles for control fitting by front plate

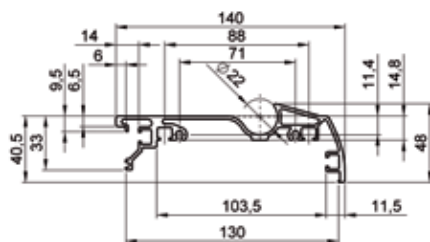
Profile 1 – Handle profile 90 side C/D



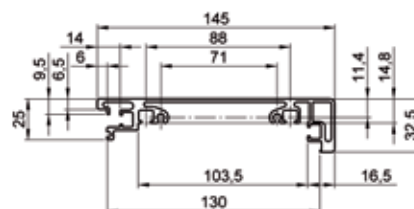
Profile 1 Body profile 90 side A/B



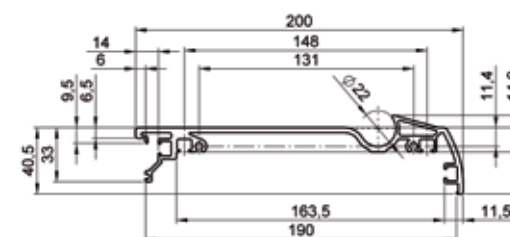
Profile 2 – Handle profile 140 side C/D



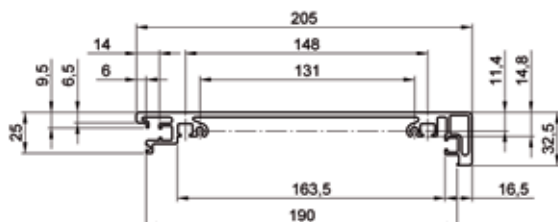
Profile 2 Body profile 140 side A/B



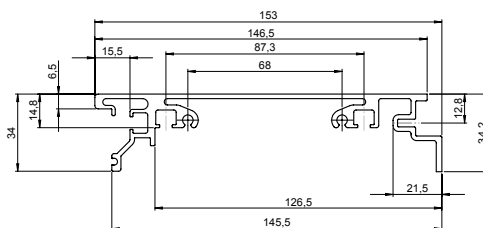
Profile 3 Body profile 200 side C/D



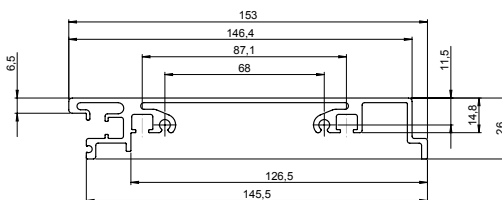
Profile 3 Body profile 200 side A/B



Profile 4 side C/D



Profile 4 side A/B

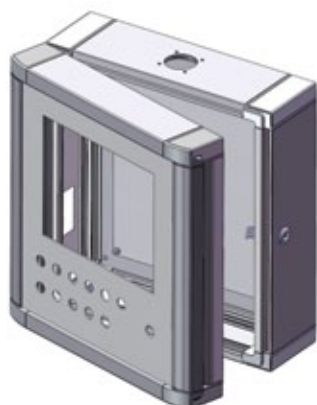


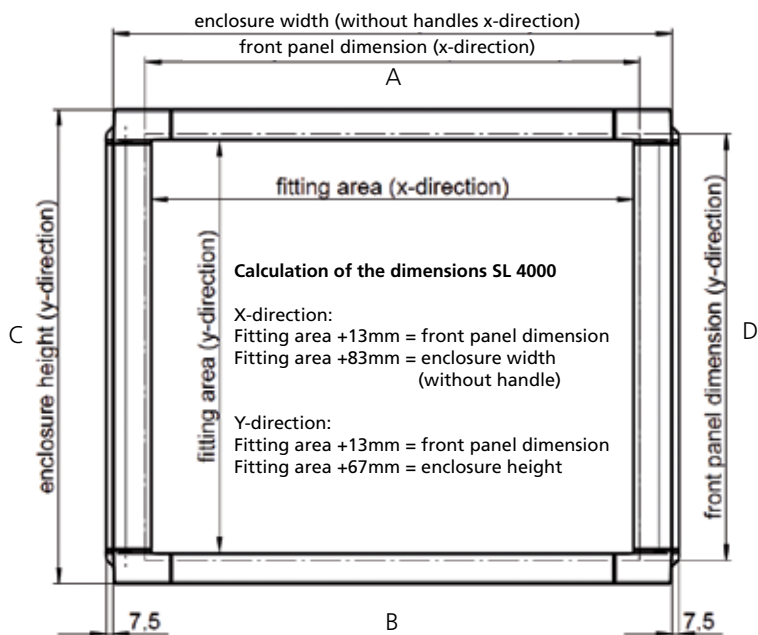
Profilverbindungsarten

fixed

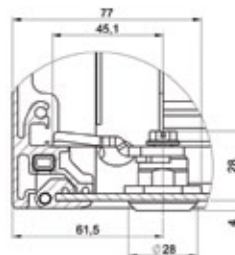


hinged

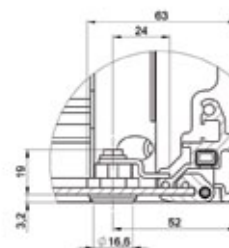




Position turn bolt fastener (rear wall)



Turn bolt fastener large
(mögliche Reduzierung der Einbautiefe um 25 mm)



Turn bolt fastener small
(mögliche Reduzierung der Einbautiefe um 16 mm)

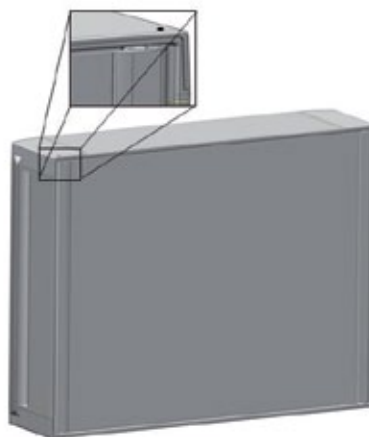
Rear wall principles

1. Standard configuration

- 2 spring elements as hinges allowing an easy way to change the hinge side
- The closing side is equipped with turn bolt fastener

2. Optional

- 2 spring elements as hinge
- 2 spring elements as snap lock
- Turn bolt fastener not applicable (Achtung: Reduzierung der Schutzart)

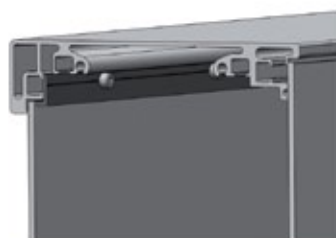
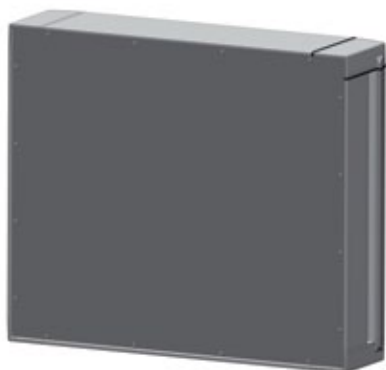


3. Optional

- Rear wall screwed







Front panel mounting

Front panel is mounted from inside. Quick and easy installation with four clamping bars.



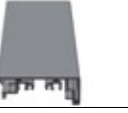

Connection to suspension system

- Operating enclosure with suspension system connected from above or below
- Console enclosure connected from above

		GTS	GT 48/2	GTN II	GT 50/2	GT 60/2	GT 80/2	GTK 80	Moterm
Profile 1 	above	•	•						
	below	•	•						•
Profile 2 	above	•	•	•	•	•			
	below	•	•	•	•	•			•
Profile 3 	above	•	•	•	•	•	•	•	
	below	•	•	•	•	•	•	•	•
Profile combination P1/P4 	above	•	•	•	•	•	•		
	below	•	•	•	•	•	•		•
Profile combination P2/P4 	above	•	•	•	•	•	•		
	below	•	•	•	•	•	•		•

- Console enclosure with suspension system connected from below
- Console enclosure Moterm, connected from below
- Profilkombination P1 + P4 bzw. P2 + P4; Geräteträgeranbindung an Profil P4

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Operating enclosure		Console enclosure		GTS	GT 48/2	GTN II	GT 50/2	GT 60/2	GT 80/2	GTK 80	Moterm
Profile 1		Profile 1		•	•						•
Profile 1		Profile 2		•	•						•
Profile 2		Profile 1		•	•	•	•	•			•
Profile 2		Profile 2		•	•	•	•	•			•
Profile 3		Profile 1		•	•	•	•	•	•		•
Profile 3		Profile 2		•	•	•	•	•	•		•
Profile 1 + 4		Profile 1		•	•	•	•	•	•		•
Profile 2 + 4		Profile 2		•	•	•	•	•	•		•

Caution: Consider minimum installation width of front panel to suspension systems:
 GTKe = 411 mm; GT 48/2 = 451 mm; GTN II = 451 mm; GT 50/2 = 501 mm; GT 60/2 = 551 mm; GT 80/2 = 569 mm

Accessories

**Hinge set**

Hinge for directly mounting on wall or machine.
2 hinge incl. screws, colour black

Order No.

20.10 90 50	for profile 1 and 2
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20.10 90 60	for profile 3
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**Wall holder set**

For swivelling sidewise mounting on the wall or machine, lockable in position, pivoting range 180°. colour: RAL 7035 light grey

Order No.

20.10 90 30	for profile 2 and 3
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**Fixing set**

Spring nut set for mounting and fixing the fitting components inside into the system slots. (8 pcs.)

Order No.

10.03 60 04	M4
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10.03 60 01	M5
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**External handles (2 pcs.)**

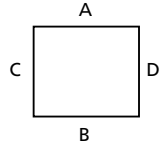
The length of the handles depends on the size of the front plate.

Front plate width/- height (mm)	Handle length (mm)	Order No.
265-314	250	20.60 40 02
315-364	300	20.60 40 03
365-414	350	20.60 40 04
415-464	400	20.60 40 05
465-514	450	20.60 40 06
515-614	500	20.60 40 07
615-664	600	20.60 40 09
665-714	650	20.60 40 10
715-764	700	20.60 40 11
765-814	750	20.60 40 12
ab 815	800	20.60 40 13

Special length on request

Company _____ Telephone _____
 Contact _____ Fax _____
 Address _____ E-Mail _____

Operating enclosure



Profiles Profile 1 (Mounting depth = 80 mm) Profile 2 (Mounting depth = 130 mm) Profile 3 (Mounting depth = 190 mm)

Profile combination Profile 1 + 4 (Mounting depth = 220 mm) Profile 2 + 4 (Mounting depth = 270 mm)

Connection fixed hinged side (C or D) _____ (rear wall screwed)
 Lock types Square (7 mm) Triangular (7 mm) Double ward (3 mm)
 Square (8 mm) Triangular (8 mm) Special lock type _____

Front plate without front plate
 Panel direct mounting by mounting frame / control type _____
 with front plate required connector surface W x H (mm) _____ x _____
 required front panel dimension W x H (mm) _____ x _____

Colour Standard Profile RAL 7035, corner pieces RAL 7035
 Profile natural anodized, corner pieces RAL 9007
 Special colour RAL (please specify RAL colour for each) Profile RAL _____ corner RAL _____
 Profile anodized corner RAL _____

Door / Rear wall Rear wall screwed (always with hinged profile combination)
 Door left hinged (side C) right hinged (side D)
 Lock types turn bolt fastener - small turn bolt fastener - large
 Square (6 mm) Square (8 mm) Triangular (7 mm)
 Triangular (6.5 mm) Square (7 mm) Triangular (8 mm)
 Slot (1.5 mm) Double ward (3 mm)
 Special lock type _____ (note: reduction of IP rating)
 Further information of machining _____
 Modified acc. drawing no. _____ (please enclose)

Modifications Modified acc. drawing no. _____ (please enclose)

Front plate Cutting W x H (mm) _____ x _____
 and/or manufacturer/type of controller _____
 Drill holes diameter (mm) _____ number _____
 Other front plate modifications / special versions _____

Profile Modified acc. drawing no. _____ (please enclose)
 Cutting W x H (mm) _____ x _____
 Drill holes diameter (mm) _____ number _____
 Other profile modifications / special versions (position etc.) _____

Connection - Suspension system Profile 1 / 2 / 3 / 4: GTKe GT 48/2 GTS Moterm (linkage only from below)
 Profile 2 / 3 / 4: GT 50/2 GT 60/2 GTN II
 Profile 3: GT 80/2 GTK 80
 Profile 4: GT 80/2 profile in combination coupling hole on profile 4
 External system (please name drawing and manufacturer) _____
 Side A (above) Side B (below) Rear wall (on request)
 Further information _____

Accessories

Handles
(additionally)

Number _____ Side(s) _____

Standard (Order No.): _____

Special length (mm) _____



Hinge set
(only single profile)

Hinge side Side C (left) Side D (right)

Any further information of the position _____



Wall holder set
(only single profile)

Position (side) Side C (left) Side D (right)

Any further information of the position _____



Document holder

Position (side) C (left) D (right)

Any further information of the position _____



Fixing set

Spring nut set M4 (8 pieces) number _____

Spring nut set M5 (8 pieces) number _____



Single interfaces (IP 65) USB



RJ45



Any further information to front panel interfaces (requirements, position etc.) _____

Multiple interfaces

Interfaces and power supplies for optional mounting on the front plate, rear wall or side of the profile 2, 3 and 4.

Single flap

Metal

Type 1 Type 2 Type 3

Plastic with knob

Type 4 Type 5 Type 6

Plastic with double ward

Type 7 Type 8 Type 9

Double flap

Metal

Type 11 Type 12 Type 13

Plastic with knob

Type 14 Type 15 Type 16

Plastic with double ward

Type 17 Type 18 Type 19

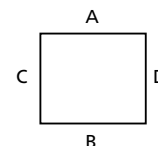
Power outlets (Screw terminals)

- USA (NEMA 5-15)
- China (C C C)
- Germany (VDE)
- France (UTE)
- Italy (CEI 23-16)
- Germany (VDE) with cutout for circuit breaker (only with double flap, plastic)
- Australia
- Denmark
- England (BS)
- India (IS 1293)
- Switzerland



Data interfaces

- SUB-D9 (socket) number _____
- SUB-D9 (plug) number _____
- SUB-D15 (socket) number _____
- RJ12, 6-pol. plastic number _____
- RJ45, 8-pol. Metal, CAT5e (socket/socket) number _____
- USB (socket/socket) number _____
- Combination (Specification see below)



Position

Front plate Rear wall (door) Side profile (profile 2 / 3)

Any further information to front panel interfaces (requirements, position etc.) _____

Further accessories _____

Console attachment

Profile type Profile 1 (Mounting depth = 80 mm) Profile 2 (Mounting depth = 130 mm)

Front plate without front plate
 Panel direct mounting by frame / control type _____
 with front plate required connector surface W x H (mm) _____ x _____
required front panel dimension W x H (mm) _____ x _____

Colour

Standard Profile RAL 7035, corner pieces RAL 7035
 Profile natural anodized, corner pieces RAL 9007
 Special colours (please specify RAL colour for each)
 Profile RAL _____ corner RAL _____
 Profile anodized corner RAL _____

Door / Rear wall

Standard screwed
 other (on request) _____

Modification

Front plate Modified acc. drawing no. _____ (please enclose)
 Cutting W x H (mm) _____ x _____
 and/or manufacturer/type of controller _____
 Drill holes diameter (mm) _____ number _____
Other front plate modifications (Positionen usw.) _____

Profile Modified acc. drawing no. _____ (please enclose)
 Cutting W x H (mm) _____ x _____
 Drill holes diameter (mm) _____ number _____
Other profile modifications (Positionen usw.) _____