

Multitronic



- EMC Aluminium enclosure system for MCR technology
- Integrated guide grooves for PCB's
- External mounting slots with spring nuts

Technical data

Material:

DIN EN 573 EN AW-AlMgSi

Ingress protection:

IP 40 to EN 60529

Painting:

Powder coating

Colour:

RAL 9005, jet black

Temperature range:

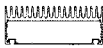
-40°C to +100°C

Included in delivery

Enclosure with two aluminium lids, screwed.

Multitronic

Product range

Type		Order No.	External enclosure dimensions W x L x H (mm)	Weight (g)	Version	Profile	max. PCB dimensions (mm)
Multitronic 1		77.31 00 00	105 x 185 x 36	480	1 PCB guide 2 mounting slots	1	100 x 180
Multitronic 2		77.32 00 00	165 x 185 x 65	1378	2 PCB guides integrated heat sink surfaces 2 mounting slots	1	160 x 180
Multitronic 3		77.33 00 00	208 x 185 x 54	820	4 PCB guides front plate sheet aluminium lid with fixing fins	1	2 x 57 x 180 1 x 87 x 180 1 x 204 x 180
Multitronic 4		77.34 00 00	190 x 185 x 51	500	6 PCB guides arched shape fixing fin on enclosure body	1	160 x 180
Multitronic 11		77.11 00 00	105 x 185 x 50	500	2 PCB guides 4 mounting slots	2	100 x 180
Multitronic 12		77.12 00 00	105 x 185 x 80	674	3 PCB guides 4 mounting slots	2	100 x 180
Multitronic 13		77.13 00 00	105 x 185 x 110	660	4 PCB guides 4 mounting slots	2	100 x 180
Multitronic 21		77.21 00 00	105 x 185 x 56	790	1 PCB guide upper profile as heat sink 2 mounting slots	2	100 x 180
Multitronic 22		77.22 00 00	105 x 185 x 86	904	2 PCB guides upper profile as heat sink 2 mounting slots	2	100 x 180
Special length		77.99 99 99 8	for all profiles				

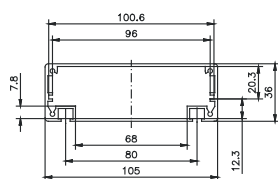
Accessories

External mounting brackets (4 pcs.)	77.00 01 00*
Snap foot, plastic, for rail mounting on TS 35	77.00 35 01
Table feet (set, self-adhesive, black)	10.07 00 19
Mounting feet (2 pcs.), grey	07.70 00 81

* except for Multitronic 3 and 4

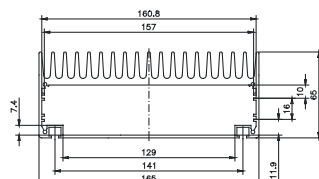
Multitronic

Version



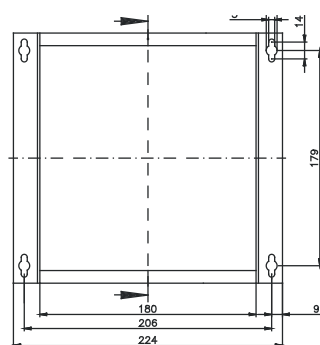
Multitronic 1

Order No. **77.31 00 00**



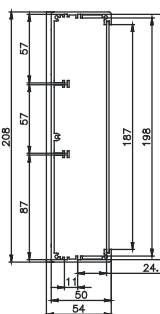
Multitronic 2

Order No. **77.32 00 00**



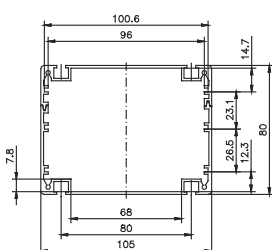
Multitronic 3

Order No. **77.33 00 00**



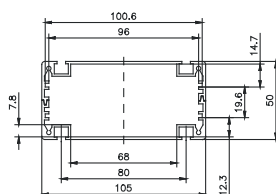
Multitronic 4

Order No. **77.34 00 00**



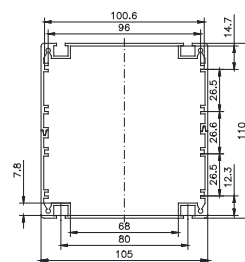
Multitronic 11

Order No. **77.11 00 00**



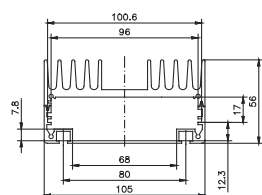
Multitronic 12

Order No. **77.12 00 00**



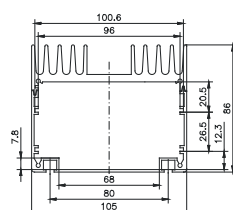
Multitronic 13

Order No. **77.13 00 00**



Multitronic 21

Order No. **77.21 00 00**



Multitronic 22

Order No. **77.22 00 00**

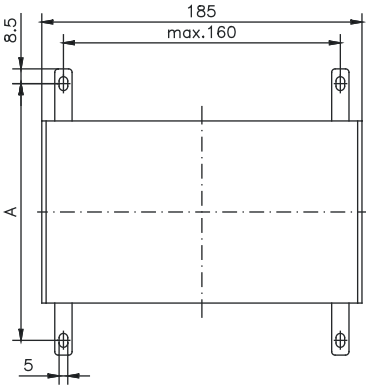
Accessories



External mounting brackets
for wall mounting on Multitronic 1, 11 - 22 and 2

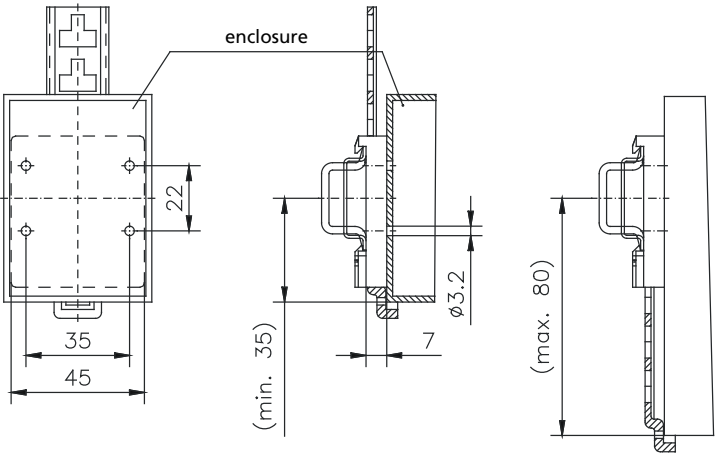
Order No. **77.00 01 00**

	A
Multitronic 1; 11-22	123
Multitronic 2	184



Snap foot, plastic
for rail mounting on TS 35

Order No. **77.00 35 01**



Multitronic TS/TS-F



- Aluminium electronic enclosure for MCR technology
- Variable length version using profile technology
- Single or clam-shell enclosure construction with heat sink option

Technical data

Material:

DIN EN 573 EN AW-ALMgSi

Ingress protection:

IP 40 to EN 60529

Painting:

Powder coating

Colour:

RAL 9005, jet black

Temperature range:

-40°C to +100°C

Included in delivery

Enclosure with two aluminium lids, screwed.

Multitronic TS/TS-F

Product range

Type	Order No.	External enclosure dimensions W x H x T (mm)	Weight (g)	max. PCB dimensions in mm	DIN rails	Wall mounting	Free print terminal/ plug connector access	Closed design
TS 111	77.01 11 00	46 x 105 x 72	197	42,6 x 100	•			•
TS 111-F	77.41 11 00	46 x 105 x 72	197	42,6 x 100	•			•
TS 112	77.01 12 00	46 x 105 x 72	220	42,6 x 100		•		•
TS 112-F	77.41 12 00	46 x 105 x 72	220	42,6 x 100		•		•
TS 121	77.01 21 00	46/76 x 105 x 61	270	42,6/72,6 x 100	•		•	
TS 121-F	77.41 21 00	46/76 x 105 x 61	270	42,6/72,6 x 100	•		•	
TS 122	77.01 22 00	46/76 x 105 x 61	240	42,6/72,6 x 100		•	•	
TS 122-F	77.41 22 00	46/76 x 105 x 61	240	42,6/72,6 x 100		•	•	
TS 141	77.01 41 00	46/105 x 105 x 57	410	42,6/100,6 x 100	•		•	
TS 141-F	77.41 41 00	46/105 x 105 x 57	410	42,6/100,6 x 100	•		•	
TS 142	77.01 42 00	46/105 x 105 x 57	300	42,6/100,6 x 100		•	•	
TS 142-F	77.41 42 00	46/105 x 105 x 57	300	42,6/100,6 x 100		•	•	
TS 221	77.02 21 00	76 x 105 x 51	300	72,6 x 100	•			•
TS 221-F	77.42 21 00	76 x 105 x 51	300	72,6 x 100	•			•
TS 222	77.02 22 00	76 x 105 x 51	224	72,6 x 100		•		•
TS 222-F	77.42 22 00	76 x 105 x 51	224	72,6 x 100		•		•
TS 231	77.02 31 00	76 x 105 x 64,5	700	72,6 x 100	•			•
TS 231-F	77.42 31 00	76 x 105 x 64,5	700	72,6 x 100	•			•
TS 232	77.02 32 00	76 x 105 x 64,5	235	72,6 x 100		•		•
TS 232-F	77.42 32 00	76 x 105 x 64,5	235	72,6 x 100		•		•
TS 331	77.03 31 00	76 x 105 x 78	270	72,6 x 100	•			•
TS 331-F	77.43 31 00	76 x 105 x 78	270	72,6 x 100	•			•
TS 332	77.03 32 00	76 x 105 x 78	290	72,6 x 100		•		•
TS 332-F	77.43 32 00	76 x 105 x 78	290	72,6 x 100		•		•
TS 441	77.04 41 00	105 x 185 x 45	700	100,6 x 180	•			•
TS 441-F	77.44 41 00	105 x 185 x 45	700	100,6 x 180	•			•
TS 442	77.04 42 00	105 x 185 x 45	420	100,6 x 180		•		•
TS 442-F	77.44 42 00	105 x 185 x 45	420	100,6 x 180		•		•
TS 461	77.04 61 00	105 x 185 x 66	660	100,6 x 180	•			•
TS 461-F	77.44 61 00	105 x 185 x 66	660	100,6 x 180	•			•
TS 462	77.04 62 00	105 x 185 x 66	480	100,6 x 180		•		•
TS-462-F	77.44 62 00	105 x 185 x 66	480	100,6 x 180		•		•
TS 662	77.06 62 00	105 x 185 x 87	730	100,6 x 180		•		•
TS-662-F	77.46 62 00	105 x 185 x 87	730	100,6 x 180		•		•

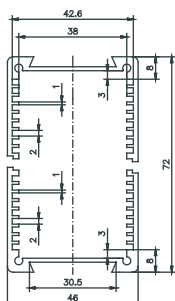
Accessories

Spare snap foot for TS 32 for snapping to enclosure	77.00 35 00
Snap foot plastic, for rail mounting on TS 35	77.00 35 01
Metal snap foot (set = 2 pcs.) for TS 35 for screwing onto enclosure	77.00 36 00
Table feet (set, self adhesive, black)	10.07 00 19
Mounting feet (2 pcs., grey)	07.70 00 81

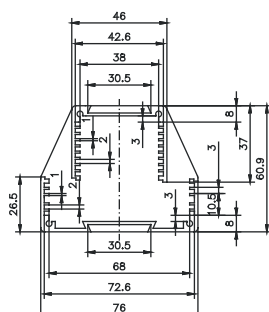
Multitronic TS / TS-F

Dimensions

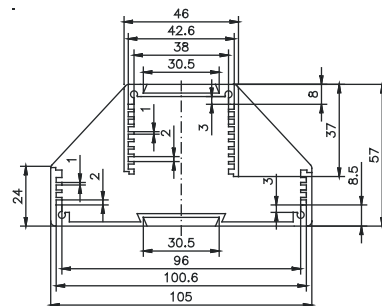
Standard profile length 100 mm



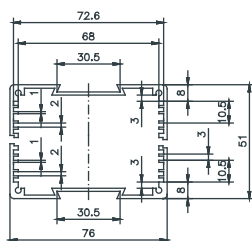
Multitronic TS 11X



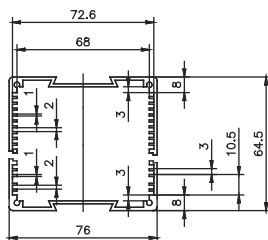
Multitronic TS 12X



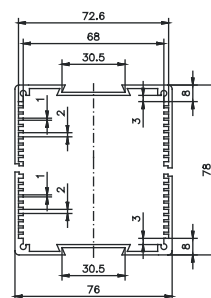
Multitronic TS 14X



Multitronic TS 22X

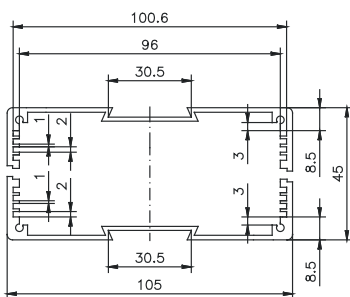


Multitronic TS 23X

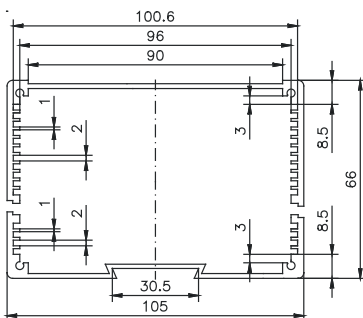


Multitronic TS 33X

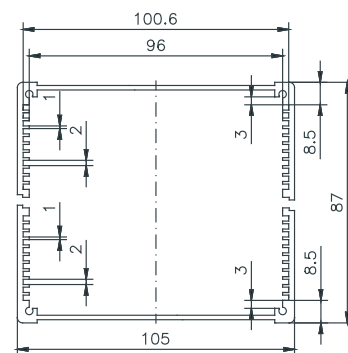
Standard profile length 180 mm



Multitronic TS 44X



Multitronic TS 46X



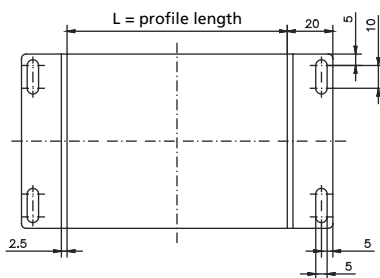
Multitronic TS 662

Multitronic TS / TS-F

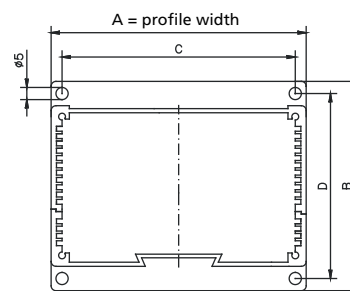
Dimensions

Type	A	B	C	D
77.41 12 00	72	66	64	56
77.41 22 00	76	81	68	71
77.41 42 00	105	77	96	67
77.42 22 00	76	71	68	61
77.42 32 00	76	84,5	68	74,5
77.43 32 00	76	98	68	88
77.44 42 00	105	65	96	55
77.44 62 00	105	86	96	76
77.46 62 00	105	107	96	97

Multitronic TS 111 to 662 with lid



Multitronic TS 112-F to 662-F



Accessories



Spare snap foot
for insert into dovetail groove suitable for TS 32
and TS 35

Order No. **77.00 35 00**



Snap foot plastic
for rail mounting on TS 35

Order No. **77.00 35 01**



Metal snap foot set (2 pcs.)
for screwing on lid / front plate
suitable for TS 35

Order No. **77.00 36 00**

Applications Multitronic TS / TS-F



Multitronic SE



- Aluminium electronic enclosure for MCR technology
- Variable depth version using profile technology
- Standard sizes 96 x 48 and 96 x 96 mm

Technical data

Material:

DIN EN 573 EN AW-AlMgSi

Ingress protection:

Front side: IP 65 to EN 60529

Mounting side: IP 40 to EN 60529

Painting:

Powder coating

Colour:

RAL 9005, jet black

Temperature range:

-30°C to +80°C

by front cover frame -20°C to +80°C

Included in delivery

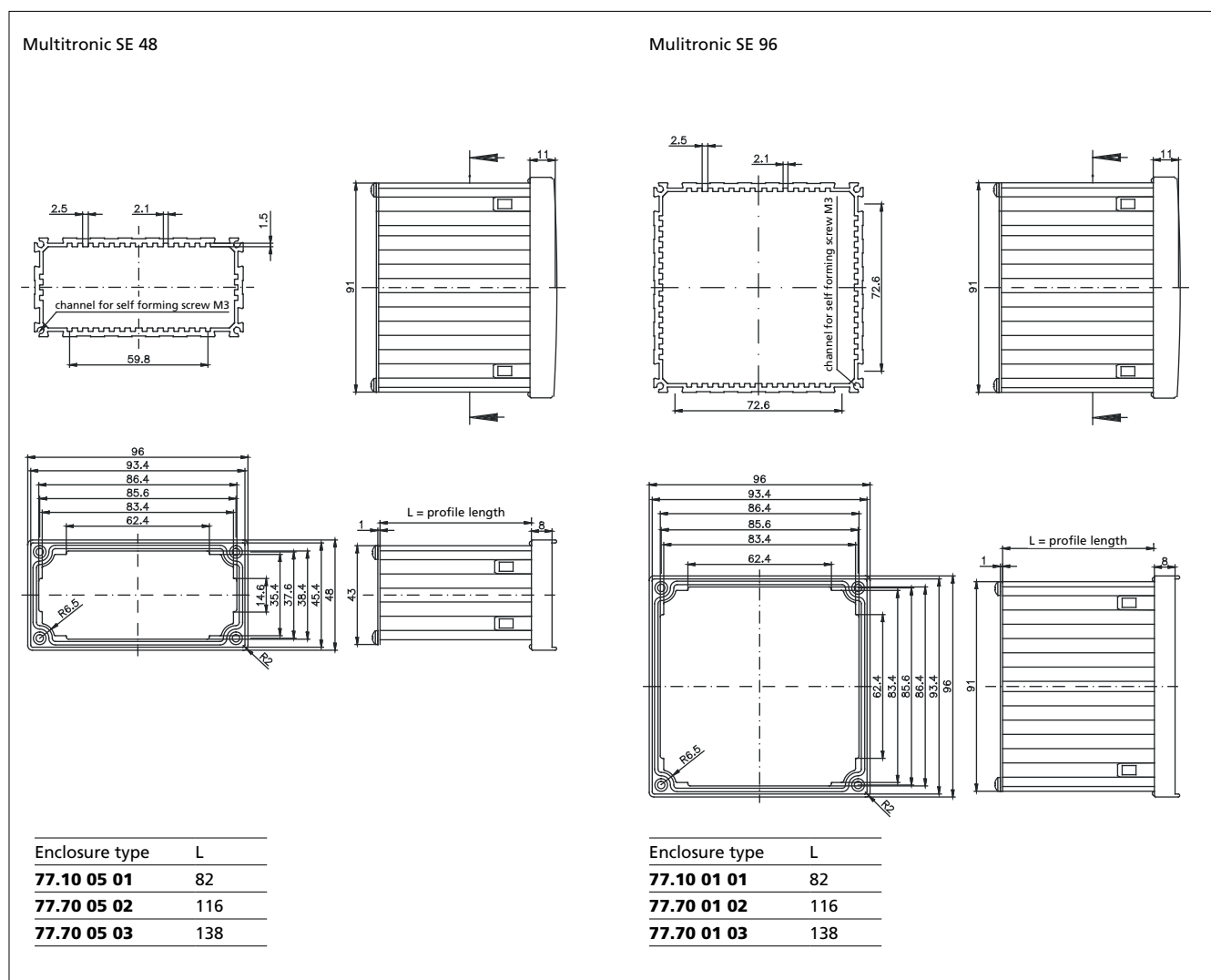
Enclosure with seal (for front plate and for panel mounting) rear panel lid and mounting bracket (2x)

Multitronic SE

Product range

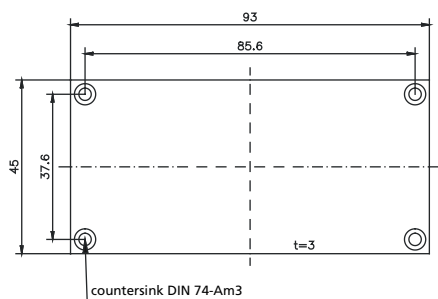
Type	Order No.	Dimensions W x L x H (mm)	Weight (g)	Front cover frame self adhesive	Front plate	Spare mounting set
MT-SE 48/1	77.70 05 01	96 x 82 x 48	185	77.70 99 03	77.70 99 01	77.70 99 05
MT-SE 48/2	77.70 05 02	96 x 116 x 48	350	77.70 99 03	77.70 99 01	77.70 99 05
MT-SE 48/3	77.70 05 03	96 x 138 x 48	245	77.70 99 03	77.70 99 01	77.70 99 05
MT-SE 48/So	77.70 05 99	special length		77.70 99 03	77.70 99 01	77.70 99 05
MT-SE 96/1	77.70 10 01	96 x 82 x 96	365	77.70 99 04	77.70 99 02	77.70 99 05
MT-SE 96/2	77.70 10 02	96 x 116 x 96	455	77.70 99 04	77.70 99 02	77.70 99 05
MT-SE 96/3	77.70 10 03	96 x 138 x 96	505	77.70 99 04	77.70 99 02	77.70 99 05
MT-SE 96/So	77.70 10 99	special length		77.70 99 04	77.70 99 02	77.70 99 05

Dimensions



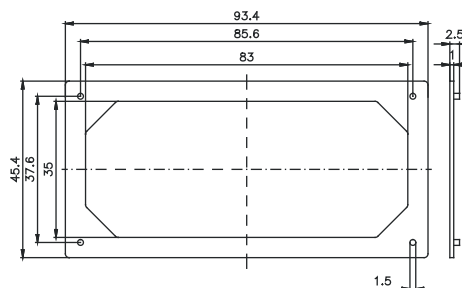
Multitronic SE

Accessories



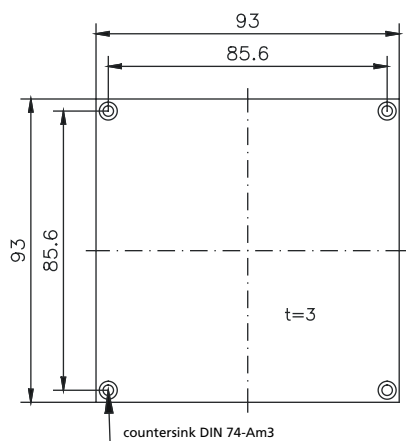
Front plate for Multitronic SE 48

Order No. **77.70 99 01**



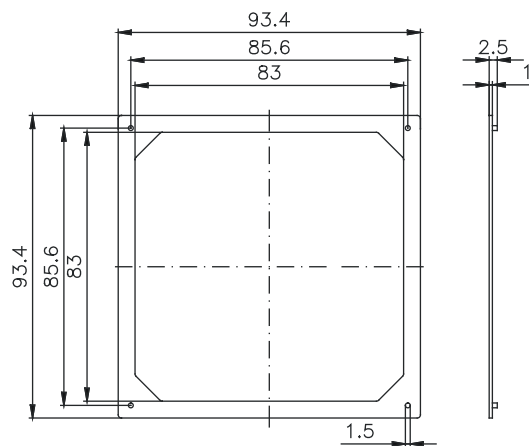
Front frame for Multitronic SE 48

Order No. **77.70 99 03**



Front plate for Multitronic SE 96

Order No. **77.70 99 02**



Front frame for Multitronic SE 96

Order No. **77.70 99 04**

Applications SE 200





- Aluminium electronic enclosure for MCR technology
- Variable width and height version using profile technology
- Constant profile depths 85 and 175 mm

Technical data

Material:

DIN EN 573 EN AW-AlMgSi

Ingress protection:

Front side: IP 65 to EN 60529

Mounting side: IP 40 to EN 60529

Painting:

Powder coating

Colour:

RAL 9005, jet black

Temperature range:

-40°C to +80°C

Included in delivery

Enclosure with screwed rear panel; front plate and fixing elements please order separately

SE 200

Product range

Type	Order No.	External dimensions (mm) W x H x D	Front plate	PCB holder
SE 200-1	65.10 07 09	96 x 72 x 85	65.00 00 01	65.00 04 09
SE 200-2	65.10 07 18	96 x 72 x 175	65.00 00 01	65.00 04 18
SE 200-3	65.10 10 09	96 x 96 x 85	65.00 00 03	65.00 04 09
SE 200-4	65.10 10 18	96 x 96 x 175	65.00 00 03	65.00 04 18
SE 200-5	65.10 14 09	96 x 144 x 85	65.00 00 05	65.00 04 09
SE 200-6	65.10 14 18	96 x 144 x 175	65.00 00 05	65.00 04 18
SE 200-7	65.10 19 09	96 x 192 x 85	65.00 00 07	65.00 04 09
SE 200-8	65.10 19 18	96 x 192 x 175	65.00 00 07	65.00 04 18
SE 200-9	65.10 24 09	96 x 240 x 85	65.00 00 09	65.00 04 09
SE 200-10	65.10 24 18	96 x 240 x 175	65.00 00 09	65.00 04 18
SE 200-11	65.14 14 09	144 x 144 x 85	65.00 00 11	65.00 04 09
SE 200-12	65.14 14 18	144 x 144 x 175	65.00 00 11	65.00 04 18
SE 200-13	65.14 19 09	144 x 192 x 85	65.00 00 13	65.00 04 09
SE 200-14	65.14 19 18	144 x 192 x 175	65.00 00 13	65.00 04 18
SE 200-15	65.14 24 09	144 x 240 x 85	65.00 00 15	65.00 04 09
SE 200-16	65.14 24 18	144 x 240 x 175	65.00 00 15	65.00 04 18
SE 200-17	65.14 29 09	144 x 288 x 85	65.00 00 17	65.00 04 09
SE 200-18	65.14 29 18	144 x 288 x 175	65.00 00 17	65.00 04 18
SE 200-19	65.19 19 09	192 x 192 x 85	65.00 00 19	65.00 04 09
SE 200-20	65.19 19 18	192 x 192 x 175	65.00 00 19	65.00 04 18
SE 200-21	65.19 24 09	192 x 240 x 85	65.00 00 21	65.00 04 09
SE 200-22	65.19 24 18	192 x 240 x 175	65.00 00 21	65.00 04 18
SE 200-23	65.19 29 09	192 x 288 x 85	65.00 00 23	65.00 04 09
SE 200-24	65.19 29 18	192 x 288 x 175	65.00 00 23	65.00 04 18
SE 200-25	65.19 34 09	192 x 336 x 85	65.00 00 25	65.00 04 09
SE 200-26	65.19 34 18	192 x 336 x 175	65.00 00 25	65.00 04 18
Special size	65.99 00 00		65.00 00 99	

Zubehör

External fastening set for panel mounting (4 pcs.)	65.00 01 00
Fastening clamp set for front plate (10 pcs.)	65.00 02 00
PCB holder 60 mm long (2 pcs.)	65.00 04 09
PCB holder 140 mm long (2 pcs.)	65.00 04 18
Fastening set for front plate (85 mm)	65.00 05 09
Fastening set for front plate (200 mm)	65.00 05 18

Dimensions

