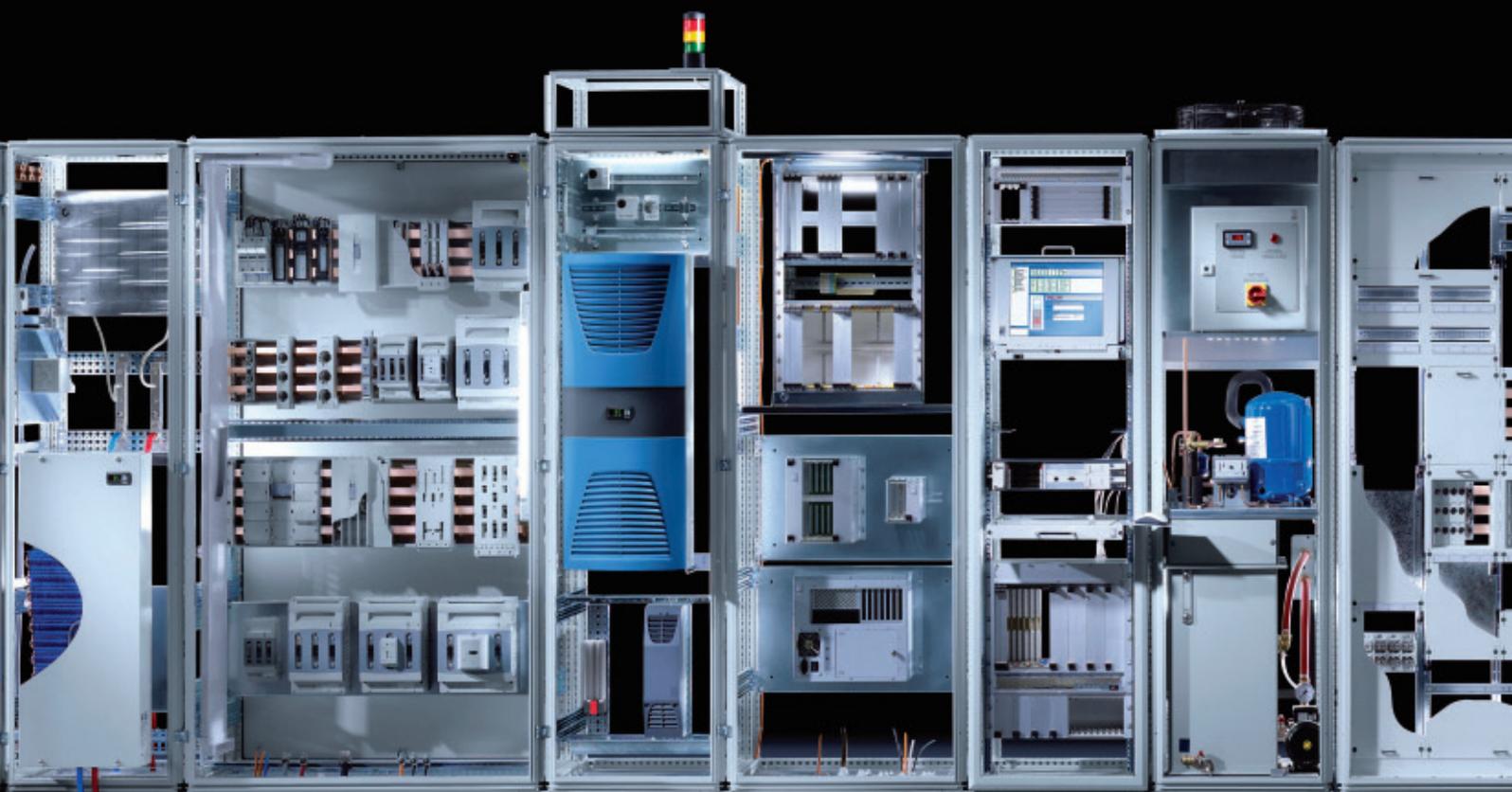


# Rittal – The System.

Faster – better – worldwide.

## **Fast Find**

Rittal Industrial Solutions



INDUSTRIAL ENCLOSURES

SYSTEM CLIMATE CONTROL

FRIEDHELM LOH GROUP



# Rittal – The System.

**Faster – better – worldwide.**

**For 50 years, and well into the future.**

## **Faster.**

For Rittal, being faster is not an empty promise, but a claim that is practised throughout every area of the company, and that is linked to direct customer benefits:

- **Fast** development of innovations, with short paths and fast decision-making
- **Fast** tapping of new markets and industries
- **Fast**, problem-free use of all products worldwide, thanks to national and international approvals
- **Fast** individual solutions through direct product development in collaboration with customers
- **Faster** thanks to a perfect interplay between development, engineering, products and service
- **Faster** thanks to flexible project implementation with system solutions from a single source



## **Better.**

Many companies promise to be better. Rittal really is better. This isn't just an empty claim; it has been confirmed by independent experts and selection jury members. They bear witness to our outstanding innovations and corporate achievements with positive analyses and awards. Most important of all for us, however, is the confirmation we get from our customers. For 50 years, they have been placing their trust in us, and therefore play a large part in our current position as global market leaders.

The reasons for this are:

- **Better** with powerful innovative strength and the associated safeguarding of competitive advantages on the market
- **Better** thanks to certified quality in management, production and environmental protection
- **Better** thanks to rational production on state-of-the art, automated production lines
- **Better** through targeted solutions that are designed to make our customers' lives easier
- **Better** thanks to the verifiable energy efficiency of our products with tangible cost savings
- **Better** with outstanding education and training, and superbly trained staff



# Worldwide.

## For 50 years, and well into the future.

One major advantage that our customers really appreciate is our global presence. For more than 50 years we have been on hand to offer advice, assistance and products around the globe. We call this healthy customer relationships. It helps our customers to successfully tap into new markets. A dynamic status quo that we will be further expanding in future.

The cornerstones of our global availability:

- **Worldwide** thanks to outstanding logistics with 63 subsidiaries, 40 agencies, 100 warehouses total storage area of more than 160,000 m<sup>2</sup>
- **Worldwide** thanks to production sites on 3 continents, in 10 state-of-the-art plants with a total production area of more than 210.000 m<sup>2</sup>
- **Worldwide** thanks to global service with 5 global support points, more than 250 service partners and over 1,000 service engineers
- **Worldwide** thanks to international expertise with country-specific know-how and cross-regional approvals



Our strategy is based on a system of comprehensive solutions to address all requirements of our customers. An individual system that convinces by its logical design, the flexibility of the components, the high modularity, the ease of use and the immediate availability. Rittal offers you a complete solution with a unique system. All planning, engineering and service following one basic principle:

## Rittal – The System.

Faster – better – worldwide.

- Service and Support
- Software and Planning
- Products

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# Polycarbonate enclosures PK



Catalogue 33 page 28

PK accessories page 31

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Polyamide cable gland page 709

## Material:

- Housing of fibre-glass reinforced polyamide
- Cover either transparent (version .100) or grey (version .000), made from fibre-glass-reinforced polycarbonate
- Cover screws from polyamide
- Insulating bung from polyethylene
- All-round foamed-in PU seal

## Colour:

RAL 7035

## Protection category:

IP 66 to IEC 60 529

## Supply includes:

- Enclosure with cover
- Cover screws
- Insulating bungs for wall mounting screws

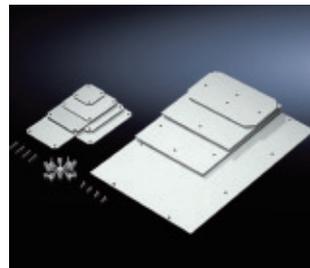
## Approvals:

- UL
- Bureau Veritas

## Detailed drawings:

Available on the internet

Dimensions mm			Model No. PK	Packs of	Accessories							
					Cover		Mounting plate	Support Rail TS 35/7,5		Wall mounting bracket	Turn-lock fasteners	Hinges
W	H	D	trans.	Grey	Installation in width	Installation in height						
65	65	57	9500.000	12	-	-	-	-	9583.000	9582.000	9580.000	
94	65	57	9502.000	8	-	-	-	-	9583.000	9582.000	9580.000	
94	94	57	9504.000	6	-	-	9564.000	9564.000	9583.000	9582.000	9580.000	
94	94	81	9505.000	6	-	-	9564.000	9564.000	9583.000	9582.000	9580.000	
110	110	66	9506.000	6	-	-	9564.000	9564.000	9583.000	9582.000	9580.000	
110	110	90	9507.000	6	-	-	9564.000	9564.000	9583.000	9582.000	9580.000	
130	94	57	9508.100	4	■	-	9565.000	9564.000	9583.000	9582.000	9580.000	
130	94	57	9508.000	4	-	■	9565.000	9564.000	9583.000	9582.000	9580.000	
130	94	81	9509.100	4	■	-	9565.000	9564.000	9583.000	9582.000	9580.000	
130	94	81	9509.000	4	-	■	9565.000	9564.000	9583.000	9582.000	9580.000	
130	130	75	9510.100	4	■	-	9545.000	9565.000	9583.000	9582.000	9580.000	
130	130	75	9510.000	4	-	■	9545.000	9565.000	9583.000	9582.000	9580.000	
130	130	99	9511.100	4	■	-	9545.000	9565.000	9583.000	9582.000	9580.000	
130	130	99	9511.000	4	-	■	9545.000	9565.000	9583.000	9582.000	9580.000	
180	94	57	9512.100	2	■	-	-	9566.000	9564.000	9583.000	9582.000	9580.000
180	94	57	9512.000	2	-	■	-	9566.000	9564.000	9583.000	9582.000	9580.000
180	94	81	9513.100	2	■	-	-	9566.000	9564.000	9583.000	9582.000	9580.000
180	94	81	9513.000	2	-	■	-	9566.000	9564.000	9583.000	9582.000	9580.000
180	110	90	9514.100	2	■	-	9547.000	9566.000	9583.000	9582.000	9581.000	
180	110	90	9514.000	2	-	■	9547.000	9566.000	9583.000	9582.000	9581.000	
180	110	111	9515.100	2	■	-	9547.000	9566.000	9583.000	9582.000	9581.000	
180	110	111	9515.000	2	-	■	9547.000	9566.000	9583.000	9582.000	9581.000	
180	110	165	9516.100	2	■	-	9547.000	9566.000	9583.000	9582.000	9581.000	
180	110	165	9516.000	2	-	■	9547.000	9566.000	9583.000	9582.000	9581.000	
182	180	90	9517.100	1	■	-	9548.000	9566.000	9583.000	9582.000	9581.000	
182	180	90	9517.000	1	-	■	9548.000	9566.000	9583.000	9582.000	9581.000	
182	180	111	9518.100	1	■	-	9548.000	9566.000	9583.000	9582.000	9581.000	
182	180	111	9518.000	1	-	■	9548.000	9566.000	9583.000	9582.000	9581.000	
182	180	165	9519.100	1	■	-	9548.000	9566.000	9583.000	9582.000	9581.000	
182	180	165	9519.000	1	-	■	9548.000	9566.000	9583.000	9582.000	9581.000	
254	180	90	9520.100	1	■	-	9549.000	9567.000	9583.000	9582.000	9581.000	
254	180	90	9520.000	1	-	■	9549.000	9567.000	9583.000	9582.000	9581.000	
254	180	111	9521.100	1	■	-	9549.000	9567.000	9583.000	9582.000	9581.000	
254	180	111	9521.000	1	-	■	9549.000	9567.000	9583.000	9582.000	9581.000	
254	180	165	9522.100	1	■	-	9549.000	9567.000	9583.000	9582.000	9581.000	
254	180	165	9522.000	1	-	■	9549.000	9567.000	9583.000	9582.000	9581.000	
360	254	111	9523.100	1	■	-	9550.000	9568.000	9583.000	9582.000	9581.000	
360	254	111	9523.000	1	-	■	9550.000	9568.000	9583.000	9582.000	9581.000	
360	254	165	9524.100	1	■	-	9550.000	9568.000	9583.000	9582.000	9581.000	
360	254	165	9524.000	1	-	■	9550.000	9568.000	9583.000	9582.000	9581.000	



## Mounting plate

For universal interior installation

### Material:

2.5mm melamine phenol-coated laminated paper

### Colour:

RAL 7035

### Supply includes:

- Mounting plate
- Self tapping assembly screws



## Support rail

The support rail section provides good flexibility for accommodating terminal blocks and installed components

### Colour:

RAL 7035

### Supply includes:

- Support rails
- Self tapping assembly screws



## Wall mounting brackets

The enclosure can be screwed to the wall using four wall mounting brackets. The bracket is securely attached to the enclosure by means of pins

### Colour:

similar to RAL 7035

### Supply includes:

1 Pack 40 pieces



### Material:

Polyamide, grey



## Hinges

For hinge attachment of covers. The supplied drilling template ensures problem-free assembly

### Colour:

similar to RAL 7035

### Supply includes:

- 1 set
- 2 hinges
- 4 assembly screws
- 4 polyethylene sealing bungs
- 1 drilling template

# Terminal boxes KL



## Material:

- Enclosure sheet steel
- Cover: Sheet steel, all-round foamed-in PU seal

## Surface finish:

Enclosure and cover: Dipcoat-primed, powder coated on the outside, textured paint

## Colour:

RAL 7035

## Protection category

- Without gland plate: IP 66 to IEC 60 529, complies with NEMA 4
- With gland plate: IP 55 to IEC 60 529, complies with NEMA 12

## Supply includes:

- Enclosure with cover
- Quick-action screw including plastic bushes
- For enclosures with gland plate plus sheet steel gland plates with seals and assembly parts

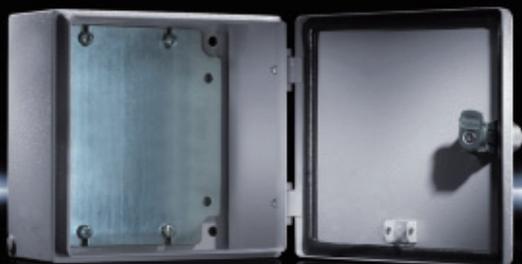
## Approvals

- UL
- CSA
- TÜV
- Germanischer Lloyd
- Russian Maritime Register of Shipping
- Lloyds Register of Shipping
- Bureau Veritas
- VDE

**Detailed drawings:**  
Available on the internet

Catalogue 33 page 34 System accessories page 537 KL stainless steel page 183 KL for Ex areas page 198

Dimensions mm			Material thickness mm		Model No: KL	Gland plate	Weight (Kg)	Gland plate		Gland plate		Accessories								
W	H	D	Enclosure	Cover				Top	Bottom	Left	Right	Mounting plate	Support rail TS 35/7,5	Support rail TS 35/15	Cover retainer	Cover hinge	Earthing set	Wall mounting bracket with 8 mm distance from wall	Optional quick-release fastener for KL Pk12	
150	150	80	1,25	1,25	1514.510	—	1,4						1560.700	2314.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
200	150	80	1,25	1,25	1528.510	—	1,6						1575.700	2315.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
200	200	80	1,25	1,25	1516.510	—	1,9						1562.700	2315.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
300	150	80	1,25	1,25	1515.510	—	2,1						1561.700	2316.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
300	200	80	1,25	1,25	1517.510	—	2,6						1563.700	2316.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
400	200	80	1,25	1,25	1518.510	—	3,2						1564.700	2317.000	—	1591.000	1592.000	2570.100	1590.000	1593.000
600	200	80	1,25	1,25	1519.510	—	4,6						1566.700	—	2319.000	1591.000	1592.000	2570.100	1590.000	1593.000
150	150	120	1,25	1,25	1500.510	—	1,6	—	—	—	—		1560.700	2314.000		1591.000	1592.000	2570.100	1590.000	1593.000
200	150	120	1,25	1,25	1529.510	—	1,8	—	—	—	—		1575.700	2315.000		1591.000	1592.000	2570.100	1590.000	1593.000
200	200	120	1,25	1,25	1502.510	—	2,3	—	—	—	—		1562.700	2315.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	150	120	1,25	1,25	1501.510	—	2,6	—	—	—	—		1561.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	150	120	1,25	1,25	1530.510	■	2,7	2	1 + 1	—	—		1561.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	200	120	1,25	1,25	1503.510	—	3,0	—	—	—	—		1563.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	200	120	1,25	1,25	1531.510	■	3,3	2	1 + 1	—	—		1563.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	300	120	1,38	1,25	1507.510	—	4,0	—	—	—	—		1567.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
300	300	120	1,38	1,25	1535.510	■	4,5	2	1 + 1	2	1 + 1		1567.700	2316.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	150	120	1,25	1,25	1589.510	—	3,2	—	—	—	—		1576.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	200	120	1,25	1,25	1504.510	—	3,6	—	—	—	—		1564.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	200	120	1,25	1,25	1532.510	■	4,0	2	1 + 1	—	—		1564.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	300	120	1,38	1,25	1508.510	—	4,8	—	—	—	—		1568.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	300	120	1,38	1,25	1536.510	■	5,2	2	1 + 1	2	1 + 1		1568.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	400	120	1,38	1,25	1511.510	—	6,2	—	—	—	—		1571.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
400	400	120	1,38	1,25	1539.510	■	6,7	2	1 + 1	2	1 + 1		1571.700	2317.000		1591.000	1592.000	2570.100	1590.000	1593.000
500	200	120	1,25	1,25	1505.510	—	4,4	—	—	—	—		1565.700	2318.000		1591.000	1592.000	2570.100	1590.000	1593.000
500	200	120	1,25	1,25	1533.510	■	4,9	2	2 + 2	—	—		1565.700	2318.000		1591.000	1592.000	2570.100	1590.000	1593.000
500	300	120	1,38	1,25	1509.510	—	5,8	—	—	—	—		1569.700	2318.000		1591.000	1592.000	2570.100	1590.000	1593.000
500	300	120	1,38	1,25	1537.510	■	5,2	2	2 + 2	2	1 + 1		1569.700	2318.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	200	120	1,25	1,25	1506.510	—	5,7	—	—	—	—		1566.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	200	120	1,25	1,25	1534.510	■	5,9	2	2 + 2	—	—		1566.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	300	120	1,38	1,25	1510.510	—	6,8	—	—	—	—		1570.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	300	120	1,38	1,25	1538.510	■	7,7	2	2 + 2	2	1 + 1		1570.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	400	120	1,38	1,25	1512.510	—	8,4	—	—	—	—		1572.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
600	400	120	1,38	1,25	1540.510	■	9,0	2	2 + 2	2	1 + 1		1572.700	2319.000		1591.000	1592.000	2570.100	1590.000	1593.000
800	200	120	1,25	1,25	1527.510	—	6,8	—	—	—	—		1574.700	—		1591.000	1592.000	2570.100	1590.000	1593.000
800	200	120	1,25	1,25	1542.510	■	7,2	2	3 + 3	—	—		1574.700	—		1591.000	1592.000	2570.100	1590.000	1593.000
800	400	120	1,38	1,25	1513.510	—	11,0	—	—	—	—		1573.700	—		1591.000	1592.000	2570.100	1590.000	1593.000
800	400	120	1,38	1,25	1541.510	■	12,0	2	3 + 3	2	1 + 1		1573.700	—		1591.000	1592.000	2570.100	1590.000	1593.000



Catalogue 33 Page 37 System accessories Page 537 E box EMC-shielded page 201

**Material:**

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in PU seal

**Surface finish:**

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: inc-plated

**Colour:**

RAL 7035

**Protection category:**

IP 66 IEC 60 529  
complies with NEMA 4

**Supply includes:**

- Enclosure with hinged door
- 180 hinge
- Cam lock with double-bit insert
- Mounting plate

**Approvals:**

- UL
- CSA
- TV
- Germanischer Lloyd
- Russian Maritime Register of shipping
- Lloyds Register of Shipping
- Bureau Veritas
- VDE

**Detailed drawings:**

Available on the internet.

## Depth 80 mm

Dimensions mm			Mounting plate mm		Material thickness mm		Model No. EB	Weight (Kg)	Accessories								
W	H	D	W	H	Box	Door			Wall mounting bracket with 8 mm distance from wall	Pole clamp	Mounting clip	Support rail TS 35, length 2 m	Cable gland	Earth straps	Alternative lock systems		
Qty.							1 unit		4 units	1 set	30 units						
150	150	80	125	135	1,25	1,25	<b>1551.500</b>	1,7	1590.000	2584.000	2309.000	See catalogue 33 page 655 See catalogue 33 page 709 See catalogue 33 page 689 See catalogue 33 page 599					
150	300	80	125	285	1,25	1,25	<b>1545.500</b>	2,6	1590.000	2584.000	2309.000						
200	200	80	175	185	1,25	1,25	<b>1546.500</b>	2,4	1590.000	2584.000	2309.000						
200	300	80	175	285	1,25	1,25	<b>1552.500</b>	3,2	1590.000	2584.000	2309.000						
200	400	80	175	385	1,25	1,25	<b>1547.500</b>	4,4	1590.000	2584.000	2309.000						
150	150	120	125	135	1,25	1,25	<b>1553.500</b>	2,0	1590.000	2584.000	2309.000						
150	300	120	125	285	1,25	1,25	<b>1548.500</b>	3,0	1590.000	2584.000	2309.000						
200	200	120	175	185	1,25	1,25	<b>1549.500</b>	2,8	1590.000	2584.000	2309.000						
200	300	120	175	285	1,25	1,25	<b>1554.500</b>	3,6	1590.000	2584.000	2309.000						
200	400	120	175	385	1,25	1,25	<b>1550.500</b>	5,0	1590.000	2584.000	2309.000						
300	300	120	275	285	1,38	1,25	<b>1555.500</b>	5,0	1590.000	2584.000	2309.000						
300	400	120	275	385	1,38	1,25	<b>1556.500</b>	6,4	1590.000	2584.000	2309.000						
200	500	120	175	485	1,25	1,25	<b>1557.500</b>	6,2	1590.000	2584.000	2309.000						
300	400	155	275	385	1,38	1,25	<b>1577.500</b>	7,1	1590.000	2584.000	2309.000						
300	600	155	275	585	1,38	1,25	<b>1578.500</b>	11,0	1590.000	2584.000	2309.000						
300	800	155	275	785	1,38	1,25	<b>1579.500</b>	13,2	1590.000	2584.000	2309.000						
Page									627	629	655						

## Wall mounting bracket



For the attachment of KL, EB, BG, and EL enclosures as well as DK wall-mounted distributors.

**Supply includes:**

Assembly parts for mounting on the enclosure.

**Note:**

For hygiene reasons, and in view of protection category, the stainless steel enclosures do not have any drilled holes for the wall mounting brackets.

Catalogue 33 page 627



For the attachment of KL, EB, BG, AE, CM and EL enclosures TP consoles as well as DK wall mounted distributors and small fibre-optic distributors.

**Supply includes:**

Assembly parts for mounting on the enclosure.

**Note:**

For hygiene reasons, and in view of protection category, the stainless steel enclosures do not have any drilled holes for the wall mounting brackets.

Catalogue 33 page 627

## Plastic handles



With or without lock cylinder insert.

**Supply includes:**

Assembly parts and seals.  
Catalogue 33 page 608

# Compact enclosures AE



### Material:

- Enclosure: Sheet steel
- Door: Sheet Steel, all-round foamed-in PU seal

### Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

Catalogue 33 Page 44 System accessories Page 537 AE stainless page 184 AE IP 69K page 187 AE EMC-shielded page 201 Hygenic Design page 176

### Supply includes:

- Enclosure with hinged door(s) of all round solid construction
- Gland plate(s) in enclosure base
- For single-door enclosures hinged on right, may be swapped to left (except with AE 1032.500 and AE 1035.500)
- With cam lock or 3-point lock system
- Mounting plate

### Colour:

RAL 7035

### Protection category:

See tables

### Detailed drawings:

Available on the internet.

### Approvals:

- UL
- CSA
- TV
- Germanischer Lloyd
- Russian Maritime Register of shipping
- Lloyds Register of Shipping
- Bureau Veritas
- VDE

Dimensions mm			Mounting plate mm		Material thickness mm		Mounting plate thickness mm	Cam lock	Model No. AE	Weight (Kg)	Accessories					
W	H	D	W	H	Box	Door	* = 3-point locking system	Gland plate			Rails for interior installation	Wall Brackets	Rain canopy			
											Size	Qty		Sheet steel	Stainless steel	
Qty:	1 unit										4 units	1 unit	1 unit	1 unit		
200	300	120	162	275	1,25	1,5	2,0	1	1032.500	4,0	1	1	—	2508.100	—	—
200	300	155	162	275	1,25	1,5	2,0	1	1035.500	4,5	1	1	—	2508.100	—	2470.000
300	300	155	254	275	1,38	1,5	2,0	1	1036.500	6,1	—	1	—	2508.100	—	—
300	300	210	254	275	1,38	1,5	2,0	1	1033.500	7,0	—	1	2373.210	2508.100	—	2361.000
300	400	210	254	375	1,38	1,5	2,0	1	1034.500	8,8	—	1	2373.210	2508.100	—	2361.000
380	300	155	334	275	1,38	1,5	2,0	1	1030.500	7,4	3	1	—	2508.100	—	2471.000
380	300	210	334	275	1,38	1,5	2,0	1	1031.500	7,5	3	1	2373.210	2508.100	2501.500	2472.000
380	380	210	334	355	1,38	1,5	2,0	1	1380.500	9,8	3	1	2373.210	2508.100	2501.500	2472.000
380	600	210	334	570	1,38	1,5	2,5	2	1038.500	15,6	3	1	2373.210	2508.100	2501.500	2472.000
380	600	350	334	570	1,5	1,5	2,5	2	1338.500	19,4	4	1	2373.350	2508.100	—	—
400	500	210	354	475	1,38	1,5	2	2	1045.500	13	4	1	2373.210	2508.100	—	—
400	800	300	349	770	1,5	2,0	3,0	2	1037.500	26,2	4	1	2373.300	2508.100	—	—
500	500	210	449	470	1,38	1,75	2,5	2	1050.500	16,8	4	1	2373.210	2508.100	—	2362.000
500	500	300	449	470	1,5	1,75	2,5	2	1350.500	19,6	4	1	2373.300	2508.100	—	—
500	700	250	449	670	1,5	2,0	2,5	2	1057.500	31,2	4	1	2373.250	2508.100	—	—
600	380	210	549	355	1,38	1,5	2,5	1	1039.500	15,4	5	1	2373.210	2508.100	2502.500	2473.000
600	380	350	549	355	1,5	1,5	2,5	1	1339.500	20,0	5	1	2373.350	2508.100	2511.500	—
600	600	210	549	570	1,38	1,75	2,5	2	1060.500	22,8	5	1	2373.210	2508.100	2502.500	2473.000
600	600	250	549	570	1,5	1,75	2,5	2	1054.500	24,8	5	1	2373.250	2508.100	—	—
600	600	350	549	570	1,5	1,75	2,5	2	1360.500	28,4	5	1	2373.350	2508.100	2511.500	—
600	760	210	549	730	1,38	2,0	3,0	2	1076.500	32,1	5	1	2373.210	2508.100	2502.500	2473.000
600	760	350	549	730	1,5	2,0	3,0	2	1376.500	36,0	5	1	2373.350	2508.100	2511.500	—
600	800	250	549	770	1,5	2,0	3,0	2	1058.500	33,6	5	1	2373.250	2508.100	—	—
600	1000	250	539	955	1,5	2,0	3,0	2	1090.500	50,5	5	1	2373.250	2508.100	—	—
600	1200	300	540	1155	1,5	2,0	3,0	*	1260.500	55,0	5	1	2373.300	2508.100	—	—
760	760	210	704	730	1,5	2,0	3,0	2	1077.500	40,0	5	1	2373.210	2508.100	—	—
760	760	300	704	730	1,5	2,0	3,0	2	1073.500	44,5	5	1	2373.300	2508.100	—	2474.000
800	600	300	749	570	1,5	2,0	2,5	2	1055.500	33,9	5	1	2373.300	2508.100	—	2475.000
800	1000	300	739	955	1,5	2,0	3,0	2	1180.500	57,0	5	1	2373.300	2508.100	—	2475.000
800	1200	300	740	1155	1,5	2,0	3,0	*	1280.500	70,0	5	1	2373.300	2508.100	—	2475.000
1000	760	210	944	730	1,5	2,0	3,0	2	1100.500	52	4	2	2373.210	2508.100	—	2363.000
1000	760	300	944	730	1,5	2	3	2	1130.500	56	4	2	2373.300	2508.100	—	2363.000
1000	1000	300	939	955	1,5	2,0	3,0	2	1110.500	71,0	4	2	2373.300	2508.100	—	2363.000
1000	1200	300	940	1155	1,5	2,0	3,0	*	1213.500	85,0	4	2	2373.300	2508.100	—	2363.000
1000	1400	300	940	1355	1,5	2,0	3,0	*	1114.500	97,0	4	2	2373.300	2508.100	—	2363.000
Page											704	647	627	619	619	

# Compact enclosures CM



### Material:

- Enclosure: Sheet steel 1.5mm
- Door: Sheet steel, 2.0mm, All-round foamed-in PU seal
- Mounting plate: Sheet steel, 3.0mm

### Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

Catalogue 33 Page 50 System accessories Page 537 System lights page 679 Cable duct Page 716 Climate control page 389

### Supply includes:

- Enclosure with hinged door(s)
- R/h door hinge with single-door enclosures, may be swapped to opposite side
- 3-point lock
- Mounting plate
- Open base for individual cable entry

### Protection category:

IP 55 to IEC 60 529, complies with NEMA 12 provided suitable gland plates are selected.

### Approvals:

- UL
- CSA
- TV
- Lloyds Register of Shipping

### Colour:

RAL 7035

### Detailed drawings:

Available on the internet.

Dimensions mm			Mounting plate mm		Model No. CM	Door	Base/plinth				Accessories																												
W	H	D	W	H			Components front and rear		Trim panels (sides)		Rail for interior installation		Matching punched sections with mounting flanges		Base configuration rail	Mounting plate slide block	Support strips for door	TS punched section with mounting flange, 17 x 73 mm	Cable clamp rails	Sheet steel wiring plan pocket, depth 35 mm	Rain canopy/vented roof	Alternative lock systems																	
							Height 100 mm	Height 200 mm	Height 100 mm	Height 200 mm	For height	For width	In depth	In with																									
Packs of																					1	1	1	1	1	4	4	4	4	2	2	20	4	1	1	1	1	1	1
600	800	400	540	755	5110.500	1	8601.600	8602.600	8601.040	8602.040	5001.051	5001.050	8612.140	8612.060	5001.370	5001.070	4596.000	8612.050	5001.080	4116.500	5001.310																		
600	1000	400	540	955	5111.500	1	8601.600	8602.600	8601.040	8602.040	5001.052	5001.050	8612.140	8612.060	5001.370	5001.070	4596.000	8612.050	5001.080	4116.500	5001.310																		
600	1200	300	540	1155	5112.500	1	8601.600	8602.600	8601.030	8602.030	5001.053	5001.050	8612.130	8612.060	5001.371	5001.070	4596.000	8612.050	5001.080	4116.500	—																		
600	1200	400	540	1155	5113.500	1	8601.600	8602.600	8601.040	8602.040	5001.053	5001.050	8612.140	8612.060	5001.370	5001.070	4596.000	8612.050	5001.080	4116.500	5001.310																		
800	1000	300	740	955	5114.500	1	8601.800	8602.800	8601.030	8602.030	5001.052	5001.051	8612.130	8612.080	5001.371	5001.070	4598.000	—	5001.081	4118.500	—																		
800	1000	400	740	955	5115.500	1	8601.800	8602.800	8601.040	8602.040	5001.052	5001.051	8612.140	8612.080	5001.370	5001.070	4598.000	—	5001.081	4118.500	5001.330																		
800	1200	300	740	1155	5116.500	1	8601.800	8602.800	8601.030	8602.030	5001.053	5001.051	8612.130	8612.080	5001.371	5001.070	4598.000	—	5001.081	4118.500	—																		
800	1200	400	740	1155	5117.500	1	8601.800	8602.800	8601.040	8602.040	5001.053	5001.051	8612.140	8612.080	5001.370	5001.070	4598.000	—	5001.081	4118.500	5001.330																		
1000	1000	300	940	955	5118.500	2	8601.000	8602.000	8601.030	8602.030	5001.052	5001.052	8612.130	8612.000	5001.371	5001.070	4309.000	8612.040	5001.082	4115.500	—																		
1000	1200	300	940	1155	5119.500	2	8601.000	8602.000	8601.030	8602.030	5001.053	5001.052	8612.130	8612.000	5001.371	5001.070	4309.000	8612.040	5001.082	4115.500	—																		
1000	1200	400	940	1155	5120.500	2	8601.000	8602.000	8601.040	8602.040	5001.053	5001.052	8612.140	8612.000	5001.370	5001.070	4309.000	8612.040	5001.082	4115.500	5001.350																		
1000	1400	300	940	1355	5121.500	2	8601.000	8602.000	8601.030	8602.030	5001.054	5001.052	8612.130	8612.000	5001.371	5001.070	4309.000	8612.040	5001.082	4115.500	—																		
1000	1400	400	940	1355	5122.500	2	8601.000	8602.000	8601.040	8602.040	5001.054	5001.052	8612.140	8612.000	5001.370	5001.070	4309.000	8612.040	5001.082	4115.500	5001.350																		
1200	1200	400	1140	1155	5123.500	2	8601.200	8602.200	8601.040	8602.040	5001.053	5001.053	8612.140	8612.020	5001.370	5001.070	4596.000	8612.050	5001.083	4116.500	5001.360																		
Page							543	543	544	544	647	647	647	647	649	634	614	647	717	617	619																		

See catalogue 33 page 559

## Base/plinth, cable entry



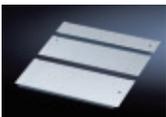
### Base/plinth 100 mm

Base/plinth component consisting of one trim and two pre-configured corner pieces.  
Catalogue 33 page 543



### Base/plinth 200 mm

Base/plinth component consisting of one trim and two pre-configured corner pieces.  
Catalogue 33 page 543



### Gland plate

Catalogue 33 page 560

## Canopy/door



### Canopy

Catalogue 33 page 619



### Sheet steel wiring plan for TS, CM, SE, PC, TP pedestal

For fastening to tubular door frames at any height.  
Catalogue 33 page 617



### Rails for interior installation

Catalogue 33 page 647



### TS punched section

Catalogue 33 page 647



### TS support strips

Catalogue 33 page 650

# Baying system TS 8



## Material:

- Enclosure frame, roof, rear panel and gland plates: Sheet steel, 1.5 mm thick
- Door: Sheet steel, 2.0 mm
- Mounting plate: Sheet steel, 3.0 mm

## Protection category:

IP 55 to IEC 60 529, complies with NEMA 12

## Detailed drawings:

Available on the internet.

## Surface finish:

- Enclosure frame: dipcoat-primed
- Door, roof and rear panel: Dip-coat-primed, powder-coated on the outside, textured paint
- Mounting plate and gland plates: inc-plated

## Supply includes:

- Enclosure frame: with door(s), 3mm double-bit lock insert
- Mounting plate
- Gland plates
- Rear panel
- Roof plate
- 4 eyebolts

## Approvals:

- UL
- CSA
- TV
- Russian Maritime Register of Shipping
- TV Mark
- Lloyds Register of Shipping
- Bureau Veritas
- VDE
- Germanischer Lloyd

Catalogue 33 page 72 System accessories Page 537 TS 8 corner enclosures page 583 TS 8 stainless steel Page 194 TS 8 EMC-shielded page 200

Dimensions mm			Mounting plate mm		Model No. TS	Door (s)	Weight (kg)	Support strips fitted in depth	Panels			Base/plinth				Accessories				
W	H	D	W	H					Side panels	Divide panels	Divides panels for modules	Components front and rear		Trim panels, sides		Mounting plates	Cable clamp rails for cable clamps	Cable clamp rails (C section) for cable clamps	Section for cable entry, rear	Support strips for door
								Height 100 mm	Height 200 mm	Height 100 mm	Height 200 mm									
600	1200	500	499	1096	8615.500	1	74,5		8115.235			8601.600	8602.600	8601.050	8602.050		4191.000	4944.000	8802.065	4596.000
800	1200	500	699	1096	8815.500	1	92,1		8115.235			8601.800	8602.800	8601.050	8602.050		4192.000	4945.000	8802.085	4598.000
1200	1200	500	1099	1096	8215.500	2	140,0		8115.235			8601.200	8602.200	8601.050	8602.050		4196.000	4947.000	8802.125	4596.000
600	1400	500	499	1296	8645.500	1	86,0		8145.235			8601.600	8602.600	8601.050	8602.050		4191.000	4944.000	8802.065	4596.000
800	1400	500	699	1296	8845.500	1	107,5		8145.235			8601.800	8602.800	8601.050	8602.050		4192.000	4945.000	8802.085	4598.000
1200	1400	500	1099	1296	8245.500	2	163,5		8145.235			8601.200	8602.200	8601.050	8602.050		4196.000	4947.000	8802.125	4596.000
600	1600	500	499	1496	8665.500	1	100,0		8165.235			8601.600	8602.600	8601.050	8602.050		4191.000	4944.000	8802.065	4596.000
800	1600	500	699	1496	8865.500	1	103,0		8165.235			8601.800	8602.800	8601.050	8602.050		4192.000	4945.000	8802.085	4598.000
1200	1600	500	1099	1496	8265.500	2	159,3		8165.235			8601.200	8602.200	8601.050	8602.050		4196.000	4947.000	8802.125	4596.000
600	1800	400	499	1696	8684.500	1	91,3		8184.235	8609.840		8601.600	8602.600	8601.040	8602.040		4191.000	4944.000	8802.065	4596.000
800	1800	400	699	1696	8884.500	1	113,5		8184.235	8609.840		8601.800	8602.800	8601.040	8602.040		4192.000	4945.000	8802.085	4598.000
1000	1800	400	899	1696	8084.500	1	136,4		8184.235	8609.840		8601.000	8602.000	8601.040	8602.040		4336.000	4946.000	8802.105	4599.000
1000	1800	400	899	1696	8080.500	2	140,0		8184.235	8609.840		8601.000	8602.000	8601.040	8602.040		4336.000	4946.000	8802.105	4309.000
1200	1800	400	1099	1696	8284.500	2	170,6		8184.235	8609.840		8601.200	8602.200	8601.040	8602.040		4196.000	4947.000	8802.125	4596.000
400	1800	500	-	-	8485.510 <sup>*)</sup>	1	49,2		8185.235	8609.850	8609.100	8601.400	8602.400	8601.050	8602.050	8614.180	4193.000	-	-	-
600	1800	500	499	1696	8685.500	1	93,8		8185.235	8609.850	8609.100	8601.600	8602.600	8601.050	8602.050	-	4191.000	4944.000	8802.065	4596.000
800	1800	500	699	1696	8885.500	1	115,8	■	8185.235	8609.850	8609.100	8601.800	8602.800	8601.050	8602.050	-	4192.000	4945.000	8802.085	4598.000
800	1800	500	699	1696	8880.500	2	122,5	■	8185.235	8609.850	8609.100	8601.800	8602.800	8601.050	8602.050	-	4192.000	4945.000	8802.085	4594.000
1200	1800	500	1099	1696	8285.500	2	173,3	■	8185.235	8609.850	8609.100	8601.200	8602.200	8601.050	8602.050	-	4196.000	4947.000	8802.125	4596.000
400	1800	600	-	-	8486.510 <sup>*)</sup>	1	51,7	■	8186.235	8609.860	8609.110	8601.400	8602.400	8601.060	8602.060	8614.180	4193.000	-	-	-
600	1800	600	499	1696	8686.500	1	96,8	■	8186.235	8609.860	8609.110	8601.600	8602.600	8601.060	8602.060	-	4191.000	4944.000	8802.065	4596.000
800	1800	600	699	1696	8886.500	1	120,3	■	8186.235	8609.860	8609.110	8601.800	8602.800	8601.060	8602.060	-	4192.000	4945.000	8802.085	4598.000
800	1800	600	699	1696	8881.500	2	125,8	■	8186.235	8609.860	8609.110	8601.800	8602.800	8601.060	8602.060	-	4192.000	4945.000	8802.085	4594.000
1200	1800	600	1099	1696	8286.500	2	179,9	■	8186.235	8609.860	8609.110	8601.200	8602.200	8601.060	8602.060	-	4196.000	4947.000	8802.125	4596.000
600	2000	400	499	1896	8604.500	1	99,0		8104.235	8609.040		8601.600	8602.600	8601.040	8602.040		4191.000	4944.000	8802.065	4596.000
800	2000	400	699	1896	8804.500	1	124,0		8104.235	8609.040		8601.800	8602.800	8601.040	8602.040		4192.000	4945.000	8802.085	4598.000
1000	2000	400	899	1896	8204.500	2	152,8		8104.235	8609.040		8601.000	8602.000	8601.040	8602.040		4336.000	4946.000	8802.105	4309.000
1200	2000	400	1099	1896	8404.500	2	184,5		8104.235	8609.040		8601.200	8602.200	8601.040	8602.040		4196.000	4947.000	8802.125	4596.000
400	2000	500	-	-	8405.510 <sup>*)</sup>	1	60,7		8105.235	8609.050	8609.120	8601.400	8602.400	8601.050	8602.050	8614.200	4193.000	-	-	-
600	2000	500	499	1896	8605.500	1	101,3		8105.235	8609.050	8609.120	8601.600	8602.600	8601.050	8602.050	-	4191.000	4944.000	8802.065	4596.000
800	2000	500	699	1896	8805.500	1	126,3		8105.235	8609.050	8609.120	8601.800	8602.800	8601.050	8602.050	-	4192.000	4945.000	8802.085	4598.000
1000	2000	500	899	1896	8005.500	2	157,1		8105.235	8609.050	8609.120	8601.000	8602.000	8601.050	8602.050	-	4336.000	4946.000	8802.105	4309.000
1200	2000	500	1099	1896	8205.500	2	190,6		8105.235	8609.050	8609.120	8601.200	8602.200	8601.050	8602.050	-	4196.000	4947.000	8802.125	4596.000
400	2000	600	-	-	8406.510 <sup>*)</sup>	1	55,7	■	8106.235	8609.060	8609.130	8601.400	8602.400	8601.060	8602.060	8614.200	4193.000	-	-	-
600	2000	600	499	1896	8606.500	1	104,0	■	8106.235	8609.060	8609.130	8601.600	8602.600	8601.060	8602.060	-	4191.000	4944.000	8802.065	4596.000
800	2000	600	699	1896	8806.500	1	130,5	■	8106.235	8609.060	8609.130	8601.800	8602.800	8601.060	8602.060	-	4192.000	4945.000	8802.085	4598.000
1000	2000	600	899	1896	8006.500	2	161,2	■	8106.235	8609.060	8609.130	8601.000	8602.000	8601.060	8602.060	-	4336.000	4946.000	8802.105	4309.000
1200	2000	600	1099	1896	8206.500	2	194,6	■	8106.235	8609.060	8609.130	8601.200	8602.200	8601.060	8602.060	-	4196.000	4947.000	8802.125	4596.000
600	2000	800	499	1896	8608.500	1	111,3	■	8108.235	8609.080		8601.600	8602.600	8601.080	8602.080		4191.000	4944.000	8802.065	4596.000
800	2000	800	699	1896	8808.500	1	137,0	■	8108.235	8609.080		8601.800	8602.800	8601.080	8602.080		4192.000	4945.000	8802.085	4598.000
1200	2000	800	1099	1896	8208.500	2	203,0	■	8108.235	8609.080		8601.200	8602.200	8601.080	8602.080		4196.000	4947.000	8802.125	4596.000
600	2200	600	499	2096	8626.500	1	113,1	■	8126.235	8609.260		8601.600	8602.600	8601.060	8602.060		4191.000	4944.000	8802.065	4596.000
800	2200	600	699	2096	8826.500	1	139,3	■	8126.235	8609.260		8601.800	8602.800	8601.060	8602.060		4192.000	4945.000	8802.085	4598.000
1200	2200	600	1099	2096	8226.500	2	208,0	■	8126.235	8609.260		8601.200	8602.200	8601.060	8602.060		4196.000	4947.000	8802.125	4596.000

<sup>\*)</sup>Without tubular door frame, mounting plate and gland plates. Protection category IP 55 and NEMA 12 are not met.

## Base/plinth



### Plinth elements

Front/rear  
Height: 100 or 200 mm  
Catalogue 33 page 543



### Plinth elements

Side  
Height: 100 or 200 mm  
Catalogue 33 page 543

## Doors/panels



### Side panels

For TS 8  
Height: 100 or 200 mm  
Catalogue 33 page 567



### Comfort handle

To replace standard lock.  
For conventional lock  
40 or 35 mm  
Catalogue 33 page 603



### Utility lectern

For programming units etc.  
Prepared for mounting on the tubular door frame of TS, CM, SE, PC or any sufficiently large surface.



### Sheet steel wiring plan pockets

for TS, CM, SE, PC, TP pedestal  
For fastening to tubular door frames at any height.



The system of individual enclosures is based on the TS 8 platform and replaces the ES 5000 series.

**Material:**

- Enclosure: Sheet steel, 1.5 mm
- Door: Sheet steel, 2.0 mm
- Rear panel and gland plates: Sheet steel, 1.5 mm
- Mounting plate: Sheet steel, 3.0 mm

**Surface finish:**

- Enclosure, door/double door and rear panel: Dipcoat-primed powder-coated on the outside, textured paint
- Mounting plate and gland plates: inc-plated

Catalogue 33 page 98 System accessories Page 537 SE 8 stainless steel Page 195

**Colour:**  
RAL 7035

**Protection category:**  
IP 55 to IEC 60 529, complies with NEMA 12

**Supply includes:**

- Enclosure with door(s) double-bit lock insert
- R/h door hinge with single-door enclosures, may be swapped to opposite side
- Mounting plate
- Rear panel (in two pieces from a width of 1600 mm), detachable

**Note:**

- The system accessories for this enclosure system may be found on the following order pages, with references to the respective product groups in the section on system assembly
- The system accessories classified under "ES" can only be used with free-standing enclosures in the ES 5000 series

**Approvals**

Available on the internet.

**Detailed drawings:**

Available on the internet.



## System enclosure SE 8, With: 600 - 800 mm

Dimensions mm			Mounting plate mm		Model No. SE	Door (s)	Base/plinth				Roof	Rail systems			Base	Accessories	
W	H	D	W	H			Components front and rear		Trim panels, sides		Eyebolts	Other rail systems TS 8	Punched section with mounting flange, outer level	Punched section with mounting flange, inner level	Cable entry plate	Cable clamp rails for cable clamps	Alternative lock systems
							Height 100 mm	Height 200 mm	Height 100 mm	Height 200 mm							
Packs of						1	1 set	1 set	1 set	1 set	4	1	1	2	2		
600	1800	400	499	1696	<b>5830.500</b>	1	8601.600	8602.600	8601.040	8602.040	4568.000	See Cat 33 page 644	8612.040	8612.140	8800.060	4191.000	See Cat 33 page 600
800	1800	400	699	1696	<b>5831.500</b>	1	8601.800	8602.800	8601.040	8602.040	4568.000		8612.040	8612.140	8800.080	4192.000	
800	2000	400	699	1896	<b>5832.500</b>	1	8601.800	8602.800	8601.040	8602.040	4568.000		8612.040	8612.140	8800.080	4192.000	
800	2000	500	699	1896	<b>5833.500</b>	1	8601.800	8602.800	8601.050	8602.050	4568.000		8612.050	8612.150	8800.080	4192.000	
800	2000	600	699	1896	<b>5834.500</b>	1	8601.800	8602.800	8601.060	8602.060	4568.000		8612.060	8612.160	8800.080	4192.000	

## System enclosure SE 8, With: 1000 - 1800 mm

Dimensions mm			Mounting plate mm		Model No. SE	Door (s)	Base/plinth				Roof	Rail systems			Base	Accessories	
W	H	D	W	H			Components front and rear		Trim panels, sides		Eyebolts	Other rail systems TS 8	Punched section with mounting flange, outer level	Punched section with mounting flange, inner level	Cable entry plate	Cable clamp rails for cable clamps	Alternative lock systems
							Height 100 mm	Height 200 mm	Height 100 mm	Height 200 mm							
Packs of						1	1 set	1 set	1 set	1 set	4	1	1	2	2		
1000	1800	400	899	1696	<b>5840.500</b>	2	8601.000	8602.000	8601.040	8602.040	4568.000	See Cat 33 page 644	8612.040	8612.140	8800.100	4336.000	See Cat 33 page 600
1200	1800	400	1099	1696	<b>5841.500</b>	2	8601.200	8602.200	8601.040	8602.040	4568.000		8612.040	8612.140	8800.120	4196.000	
1600	1800	400	1499	1696	<b>5842.500</b>	2	8601.920	8602.920	8601.040	8602.040	4568.000		8612.040	8612.140	—	4338.000	
1200	2000	400	1099	1896	<b>5843.500</b>	2	8601.200	8602.200	8601.040	8602.040	4568.000		8612.040	8612.140	880.0120	4196.000	
1200	2000	500	1099	1896	<b>5844.500</b>	2	8601.200	8602.200	8601.050	8602.050	4568.000		8612.050	8612.150	880.0120	4196.000	
1200	2000	600	1099	1896	<b>5845.500</b>	2	8601.200	8602.200	8601.060	8602.060	4568.000		8612.060	8612.160	880.0120	4196.000	
1800	2000	500	1699	1896	<b>5846.500</b>	2	8601.980	8602.980	8601.050	8602.050	4568.000		8612.050	8612.150	—	4339.000	

### Eyebolts



**For TS, SE**  
For crane transportation of enclosures, where not already included in the supply.  
Thread: M12

Catalogue 33 page 626

### Cable clamp rails



**Mounting angle for TS, SE, PC, TP universal console, base/plinths**  
For strain relief with cable entry.

Depth-variable mounting on a 25 mm pitch pattern on the horizontal enclosure section or in side base/plinth trim panels with assembly bolts.  
**Material:** Steel  
**Surface finish:** Zinc-plated  
**Supply includes:** Assembly parts.  
Catalogue 33 page 717

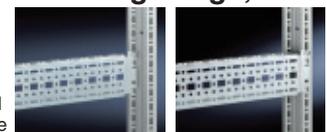
### Cable entry plates



**For**  
• Cable entry grommets  
• Connector grommets instead of segments of the

standard divided gland plates.  
**Material:** Steel  
**Surface finish:** Zinc-plated  
**Supply includes:** Assembly parts.  
Catalogue 33 page 701

### TS punched section with mounting flange, 17 x 73 mm



Variable, with 5 rows of holes for universal skeleton structures or partial assembly. Simply locate into the TS punchings and secure.  
Catalogue 33 page 647

# Stainless steel enclosures



Also available on request with silicone gasket and in stainless steel 1,4404 AISI 316L

Catalogue 33 Page 182 System accessories page 537

## Terminal boxes KL

Protection category IP 66/ IP 69 K

Dimensions mm			Model No. KL	Wall mounting bracket	Wall angle	Pole clamp	Roof hinge 1,4404 (AISI 316L)
W	H	D					
Packs of			1	2	4	1	2
150	150	80	<b>1521.010</b>	1594.000	2583.010	2584.000	1592.010
150	150	120	<b>1527.010</b>	1594.000	2583.010	2584.000	1592.010
300	150	80	<b>1522.010</b>	1594.000	2583.010	2584.000	1592.010
200	200	80	<b>1523.010</b>	1594.000	2583.010	2584.000	1592.010
200	200	120	<b>1528.010</b>	1594.000	2583.010	2584.000	1592.010
300	200	80	<b>1524.010</b>	1594.000	2583.010	2584.000	1592.010
300	200	120	<b>1529.010</b>	1594.000	2583.010	2584.000	1592.010
400	200	120	<b>1525.010</b>	1594.000	2583.010	2584.000	1592.010
300	300	120	<b>1526.010</b>	1594.000	2583.010	2584.000	1592.010
400	300	120	<b>1530.010</b>	1594.000	2583.010	2584.000	1592.010
Page				627	628	629	613

## Compact enclosures AE

Protection category IP 69 K

Dimensions mm			Model No. AE	Interior door	Door stay	Wall mounting brackets 1,4301 (AISI 304)	Cable glands
W	H	D					
Packs of			1	1	1	4	
330	352	155	<b>1101.110</b>	1101.910	1101.800	2433.000	See page 709
400	439	250	<b>1101.120</b>	1101.920	1101.800	2433.000	
650	689	250	<b>1101.130</b>	1101.930	1101.800	2433.000	
650	689	250	<b>1101.140</b>	1101.940	1101.800	2433.000	
Page				588	617	627	

Also available on request with silicone gasket and in stainless steel 1,4404 AISI 316L

## Protection category IP 66

Dimensions mm			Model No. AE	Wall mounting bracket 1,4301 (AISI 304)	Wall mounting bracket 1,4304 (AISI 316L)	Wall angle 1,4301 (AISI 304)	Pole clamp	Cam lock 1,4404 (AISI 316L)
W	H	D						
Packs of			4	4	4	1	1	
200	300	120	<b>1001.600</b>	2433.000	-	2583.010	2584.000	2304.000
200	300	155	<b>1002.600</b>	2433.000	-	2583.010	2584.000	2304.000
200	300	155	<b>1002.500</b>	-	2433.500	2583.010	2584.000	2304.000
300	300	210	<b>1003.600</b>	2433.000	-	2583.010	2584.000	2304.000
380	300	155	<b>1004.600</b>	2433.000	-	2583.010	2584.000	2304.000
380	300	210	<b>1011.600</b>	2433.000	-	2583.010	2584.000	2304.000
300	380	210	<b>1005.600</b>	2433.000	-	2583.010	2584.000	2304.000
300	380	210	<b>1005.500</b>	-	2433.500	2583.010	2584.000	2304.000
380	380	210	<b>1006.600</b>	2433.000	-	2583.010	2584.000	2304.000
380	380	210	<b>1006.500</b>	-	2433.500	2583.010	2584.000	2304.000
600	380	210	<b>1009.600</b>	2433.000	-	2583.010	2584.000	2304.000
400	500	210	<b>1015.600</b>	2433.000	-	2583.010	2584.000	2304.000
500	500	210	<b>1007.600</b>	2433000	-	2583.010	2584.000	2304.000
500	500	300	<b>1013.600</b>	2433000	-	2583.010	2584.000	2304.000
380	600	210	<b>1008.600</b>	2433000	-	2583.010	2584.000	2304.000
600	600	210	<b>1010.600</b>	2473000	-	2583.010	2584.000	2304.000
600	600	210	<b>1010.500</b>	-	2433.500	2583.010	2584.000	2304.000
600	760	210	<b>1012.600</b>	2433000	-	2583.010	2584.000	2304.000
760	760	300	<b>1014.600</b>	2474.000	2433.000	2583.010	-	2304.000
800	1000	300	<b>1016.600</b>	2475.000	2433.000	2583.010	-	2304.000
800	1200	300	<b>1017.600</b>	2475.000	2433.000	2583.010	-	-
1000	1000	300	<b>1018.600</b>	2363.000	2433.000	2583.010	-	2304.000
1000	1200	300	<b>1019.600</b>	2363.000	2433.000	2583.010	-	-
1000	1200	300	<b>1019.500</b>	2363.000	-	2583.010	-	-
Page				627	627	628	609	

Alternative locking systems, see page 602



Catalogue 33 Page 182 Compact enclosures AE sheet steel Page 44 System accessories page 537 Hygienic Design page 176



Catalogue 33 page 194 Baying systems TS 8, sheet steel Page 72 System accessories page 537 EMC baying systems TS 8 page 200

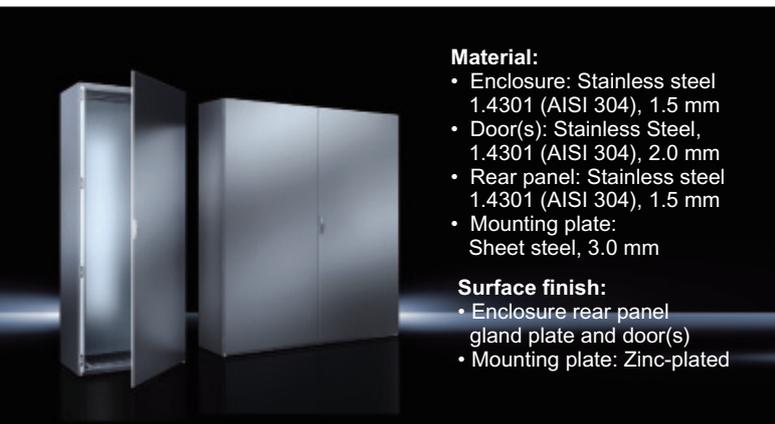
## Enclosures TS 8

Protection category IP 55

Dimensions mm			Model No. TS 8	Side panels	Divider panel	Divider panel for module plates	Components front and rear	Components front and rear	Trim panels, sides	Trim panels, sides	Alternative lock systems	System lights
W	H	D										
Packs of			1	2	1	1	1 set	1 set	1 set	1 set		
800	1800	400	<b>8454.600</b>	8700.840	8609.840	-	8701.800	8702.800	8701.040	8702.040	See page 602	See page 679
1200	1800	400	<b>8456.600</b>	8700.840	8609.840	-	8701.200	8702.200	8701.040	8702.040		
600	1800	500	<b>8457.600</b>	8700.850	8609.850	8609.100	8701.600	8702.600	8701.050	8702.050		
800	1800	500	<b>8455.600</b>	8700.850	8609.850	8609.100	8701.800	8702.800	8701.050	8702.050		
1200	1800	500	<b>8453.600</b>	8700.850	8609.850	8609.100	8701.200	8702.200	8701.050	8702.050		
600	2000	600	<b>8452.600</b>	8700.060	8609.060	8609.130	8701.600	8702.600	8701.060	8702.060		
800	2000	600	<b>8450.600</b>	8700.060	8609.060	8609.130	8701.800	8702.800	8701.060	8702.060		
1200	2000	600	<b>8451.600</b>	8700.060	8609.060	8609.130	8701.200	8702.200	8701.060	8702.060		
Page				567	571	572	549	549	549	549		

Also available on request in stainless steel 1,4404 AISI 316L

# Stainless steel enclosures



### Material:

- Enclosure: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Door(s): Stainless Steel, 1.4301 (AISI 304), 2.0 mm
- Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Mounting plate: Sheet steel, 3.0 mm

### Surface finish:

- Enclosure rear panel gland plate and door(s)
- Mounting plate: Zinc-plated

### Supply includes:

- Enclosure, solid top and sides
- Door(s)
- Rear panel, detachable
- Mounting plate
- Gland plates, divided
- locking rod with double-bit insert

### Note:

- Due to the hardness of the material, we recommend using metal multi-tooth screw S 2486.300, see page 666, for the interior installation
- The system accessories for this enclosure system may be found on the following order pages, or references to the respective product groups in the section on system assembly
- The system accessories classified under "ES" can only be used with free-standing enclosures in the ES 5000 series

### Approvals:

Available on the internet

### Detailed drawings:

Available on the internet

### Protection category:

See tables

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**Innovation**

## System enclosures SE 8

Dimensions mm			Mounting plate mm		Model No. SE	Door(s)	Protection category	Base/plinth				Roof	Rail systems			Accessories	
W	H	D	W	H				Components front and rear 100 mm	Components front and rear 200 mm	Components front and rear 100 mm	Components front and rear 200 mm	Eyebolts	Other rail systems	Punched section with mounting flange, outer level	Punched section with mounting flange, inner level	Eyebolts	Alternative lock systems
Packs of								1 set	1 set	1 set	1 set	4	4	4			
600	1600	400	499	1496	<b>5850.500</b>	1	IP 55 to IEC 60 269, Complies with NEMA 12	8701.600	8702.600	8701.040	8702.040	4568.000	See Cat 33 page 644	8612.040	8612.140	4568.000	See Cat 33 page 662
600	1800	500	499	1696	<b>5851.500</b>	1		8701.600	8702.600	8701.050	8702.050	4568.000		8612.050	8612.150		
800	1800	500	699	1696	<b>5852.500</b>	1		8701.800	8702.800	8701.050	8702.050	4568.000		8612.050	8612.150		
800	2000	600	699	1896	<b>5853.500</b>	1		8701.800	8702.800	8701.060	8702.060	4568.000		8612.060	8612.160		
1000	1800	400	899	1696	<b>5854.500</b>	1		8701.000	8702.000	8701.040	8702.040	4568.000		8612.040	8612.140		
1200	2000	500	1099	1896	<b>5855.500</b>	2		8701.200	8702.200	8701.050	8702.050	4568.000		8612.050	8612.150		
Page								549				626		647		717	



### Supply includes:

- Enclosure of all-round solid construction
- Door with press-fitted seal
- Interchangeable door hinge
- Mounting plate

Catalogue 33 Page 177 HD accessories page 178 System accessories page 537

## Compact enclosures Hygienic Design

Dimensions mm			Model No. HD	Accessories		
W	H	D		Wall spacer bracket HD	Rails for interior installation	Cable gland HD
220	350	155	<b>1302.600</b>	4000.100	See Cat 33 page 179	See Cat 33 page 711
390	430	210	<b>1306.600</b>	4000.100		
390	650	210	<b>1308.600</b>	4000.100		
510	550	210	<b>1307.600</b>	4000.100		
610	430	300	<b>1320.600</b>	4000.100		
610	650	210	<b>1310.600</b>	4000.100		
810	1050	300	<b>1316.600</b>	4000.100		
810	1250	300	<b>1317.600</b>	4000.100		

### Surface finish:

- Enclosure and door: Brushed, grain size 400, R<sub>A</sub> 0.8 um
- Mounting plate: Zinc-plated
- Seal: Blue, dyed (RAL 5010)

### Protection category:

- IP 66 to IEC 60 529

### Material:

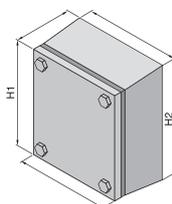
- Enclosure and door: Stainless steel 1.4301 (AISI 304)
- Mounting plate: Sheet steel
- Lock inserts HD: Stainless steel 1.4404 (AISI 316L)
- Seal: Silicone, complaint FDA Guideline 21 CFR 177.2600

### Supply includes:

- Enclosure of all-round solid construction
- Cover
- Mounting bracket (pre-assembled)
- Seal and quick-release locks (supplied loose)

## Terminal boxes Hygienic Design

Dimensions mm					Model No. HD 1 unit
Width		Height		Depth	
front B1	rear B2	front H1	rear H2	T	
150	172	150	172	80	<b>1670.600</b>
150	177	150	177	120	<b>1671.600</b>
200	227	200	227	120	<b>1672.600</b>
300	327	200	227	120	<b>1674.600</b>
400	427	200	227	120	<b>1675.600</b>
400	427	300	327	120	<b>1676.600</b>



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# Climate control



**Colour:**  
RAL 7035

**Protection category:**  
See tables.

**Supply includes:**  
• Unit ready for installation  
• Filter mat

**Note:**  
For energy-efficient operation of the fan-and-filter units, we recommend using the enclosure internal thermostat SK 311.000, the speed control SK 3120.200 or the digital thermostat with display SK 3114.200 (see accessories).

**Approvals:**  
Available on the internet.

**Detailed drawings:**  
Available on the internet.

**Performance diagrams:**  
Available on the internet.

Catalogue 33 Page 394 Climate control accessories page 473 Software & services page 515

## TopTherm fan-and-filter units

Air throughput 900 m<sup>3</sup>/h, with EC technology

**Innovation**

Model No. SK fan-and-filter unit	EMC version	Rated operating voltage V, Hz	Dimensions W x H x D	Air throughput, unimpeded air flow	Air throughput with outlet filter including standard filter mat
3245.500 <sup>1)</sup>	–	230, 50/60	323 x 323 x 25	900 m <sup>3</sup> /h	1 x SK 3243.200: 680 m <sup>3</sup> /h – 2 x SK 3243.200: 820 m <sup>3</sup> /h
3245.600 <sup>1)</sup>	–				1 x SK 3243.060: 680 m <sup>3</sup> /h – 2 x SK 3243.060: 820 m <sup>3</sup> /h
3245.510 <sup>1)</sup>	–	115, 50/60			1 x SK 3243.200: 680 m <sup>3</sup> /h – 2 x SK 3243.200: 820 m <sup>3</sup> /h

<sup>1)</sup> 0 - 10 V input and tachometer signal output

## TopTherm fan-and-filter units

Model No.	Outlet filter	Air throughput unimpeded air flow	Rated operating voltage V, Hz
3237.100	3237.200	20/25 m <sup>3</sup> /h	230, 50/60
3237.110	3237.200	20/25 m <sup>3</sup> /h	115, 50/60
3237.124	3237.200	20 m <sup>3</sup> /h	24 (c.c.)
3238.100	3238.200	55/66 m <sup>3</sup> /h	230, 50/60
3238.110	3238.200	55/66 m <sup>3</sup> /h	115, 50/60
3238.124	3238.200	55 m <sup>3</sup> /h	24 (c.c.)
3239.100	3239.200	105/120 m <sup>3</sup> /h	230, 50/60
3239.110	3239.200	105/120 m <sup>3</sup> /h	115, 50/60
3239.124	3239.200	105 m <sup>3</sup> /h	24 (c.c.)
3240.100	3240.200	180/160 m <sup>3</sup> /h	230, 50/60
3240.110	3240.200	180/160 m <sup>3</sup> /h	115, 50/60
3240.124	3240.200	180 m <sup>3</sup> /h	24 (c.c.)
3241.100	3240.200	230/250 m <sup>3</sup> /h	230, 50/60
3241.110	3240.200	230/250 m <sup>3</sup> /h	115, 50/60
3241.124	3240.200	230 m <sup>3</sup> /h	24 (c.c.)
3243.100	3243.200	550/600 m <sup>3</sup> /h	230, 50/60
3243.110	3243.200	550/600 m <sup>3</sup> /h	115, 50/60
3244.100	3243.200	700/770 m <sup>3</sup> /h	230, 50/60
3244.110	3243.200	700/770 m <sup>3</sup> /h	115, 50/60
3244.140	3243.200	700/770 m <sup>3</sup> /h	400/460, 3~, 50/60

## EMC versions

Model No.	Outlet filter	Air throughput unimpeded air flow	Rated operating voltage V, Hz
3237.600	3237.060	20/25 m <sup>3</sup> /h	230, 50/60
3238.600	3238.060	20/66 m <sup>3</sup> /h	230, 50/60
3239.600	3239.060	105/120 m <sup>3</sup> /h	230, 50/60
3240.600	3240.060	180/160 m <sup>3</sup> /h	230, 50/60
3241.600	3240.060	230/250 m <sup>3</sup> /h	230, 50/60
3244.600	3243.060	700/770 m <sup>3</sup> /h	230, 50/60

## Conversion table old/new

Output class	20/25	55/66	105/120	180/160	230/250	550/600	700/770
Cut-out dimensions (old new)	92 x 92	124 x 124	177 x 177	224 x 224		292 x 292	
24 V	<b>new</b>	<b>3237.124</b>	<b>3238.124</b>	<b>3239.124</b>	<b>3240.124</b>	<b>3241.124</b>	–
	old	3321.027	3322.027	3323.027	3324.027	3325.027	–
230 V	<b>new</b>	<b>3237.100</b>	<b>3238.100</b>	<b>3239.100</b>	<b>3240.100</b>	<b>3241.100</b>	<b>3243.100</b>
	old	3321.107	3322.107	3323.107	3324.107	3325.107	3326.107
115 V	<b>new</b>	<b>3237.110</b>	<b>3238.110</b>	<b>3239.110</b>	<b>3240.110</b>	<b>3241.110</b>	<b>3243.110</b>
	old	3321.117	3322.117	3323.117	3324.117	3325.117	3326.117
400 V	<b>new</b>	–	–	–	–	–	<b>3244.140</b>
	old	–	–	–	–	–	3327.147
EMC fan-and-filter unit	<b>new</b>	<b>3237.600</b>	<b>3238.600</b>	<b>3239.600</b>	<b>3240.600</b>	<b>3241.600</b>	<b>3243.600</b>
	old	3321.607	3322.607	3323.607	3324.607	3325.607	3326.607
Outlet filter	<b>new</b>	<b>3237.200</b>	<b>3238.200</b>	<b>3239.200</b>	<b>3240.200</b>	<b>3241.200</b>	<b>3243.200</b>
	old	3321.207	3322.207	3323.207	3324.207	3325.207	3326.207
EMC Outlet filter	<b>new</b>	<b>3237.060</b>	<b>3238.060</b>	<b>3239.060</b>	<b>3240.060</b>	<b>3241.060</b>	<b>3243.060</b>
	old	3321.267	3322.267	3323.267	3324.267	3325.267	3326.267
Hose-proof hood	<b>new</b>	<b>3237.080</b>	<b>3238.080</b>	<b>3239.080</b>	<b>3240.080</b>	<b>3241.080</b>	<b>3243.080</b>
	old	3321.800	3322.800	3323.800	3324.800	3325.800	3326.800
Blanking cover	<b>new</b>	<b>3237.020</b>	<b>3238.020</b>	<b>3239.020</b>	<b>3240.020</b>	<b>3241.020</b>	<b>3243.020</b>
	old	–	–	–	–	–	–
Standard filter mat (IP 54)	<b>new</b>	<b>3321.700</b>	<b>3322.700</b>	<b>3323.700</b>	<b>3324.700</b>	<b>3325.700</b>	<b>3326.700</b>
	old	3321.700	3322.700	3323.700	3324.700	3325.700	3326.700
Fine filter mat (IP 55)	<b>new</b>	–	<b>3238.055</b>	<b>3181.100</b>	<b>3182.100</b>	<b>3183.100</b>	<b>3184.100</b>
	old	–	–	3181.100	3182.100	3183.100	3184.100

**Supply includes:**

- PTC heater
- Quick-connection terminal
- Assembly parts



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**Note:**

- For precise temperature control inside the enclosure, we recommend the enclosure internal thermostat SK 3110.000 or the digital thermostat SK 3114.200 with display (see accessories)
- In order to prevent condensation on assemblies, hygrostat SK 3118.00 (see accessories) is recommended to regulate heating.
- In larger enclosures, even heat distribution is best achieved by installing several low-output heaters.
- The installation of heaters is generally advisable, in order to prevent condensation.

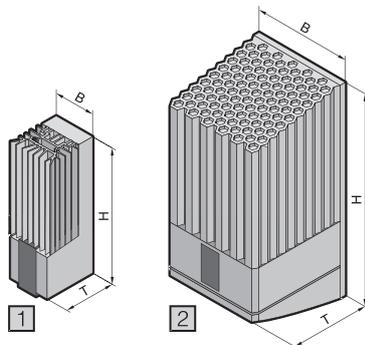
**1 Without fan, continuous thermal output 10-150 W**

Model No. SK	Rated operating voltage V, Hz	Dimensions in mm An. x Al. x Pr.	Continuous thermal output Tu=10°C
3105.310	110-240 V, 50/60 Hz	45 x 120 x 46	8 – 10 W
3105.320			18 – 20 W
3105.330		64 x 155 x 56	23 – 30 W
3105.340			49 – 50 W
3105.350		64 x 230 x 56	63 – 75 W
3105.360		90 x 165 x 75	86 – 100
3105.370		90 x 180 x 75	130 – 150 W

**2 With fan, continuous thermal output 250-800 W**

Model No. SK	Rated operating voltage V, Hz	Dimensions in mm An. x Al. x Pr.	Continuous thermal output Tu=10°C
3105.410	110 V, 50/60 Hz	103 x 200 x 103	250 W <sup>1)</sup>
3105.380	230 V, 50/60 Hz		
3105.420	110 V, 50/60 Hz	103 x 200 x 103	400 W <sup>1)</sup>
3105.390	230 V, 50/60 Hz		
3105.430	110 V, 50/60 Hz	103 x 200 x 103	800 W <sup>1)</sup>
3105.400	230 V, 50/60 Hz		

1) Thermal output with fan



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