



Schroff

OUTDOOR

Content

Cabinets 1

Wall mounted cases 2

Accessories for cabinets and wall mounted cases . 3

Climate control . 4

Electronics cases 5

Sub racks/ 19" chassis 6

Front panels, plug-in units ... 7

Systems 8

Power supply units 9

Backplanes ... 10

Connectors, front panel component system 11

Appendix 12

Cabinets – Outdoor



41602001



41603009

The dual wall concept provides a natural airflow between the outer and inner wall, substantially reducing the requirement for additional heat removal.



41603010

Optimal protection from vandalism thanks to a fixing accessible only from within. Easily exchangeable exterior cladding components.



41603005

The gasketing material can be selected to suit the requirements (IP protection, EMC shielding) and may be exchanged subsequently.

Standard / Certifications

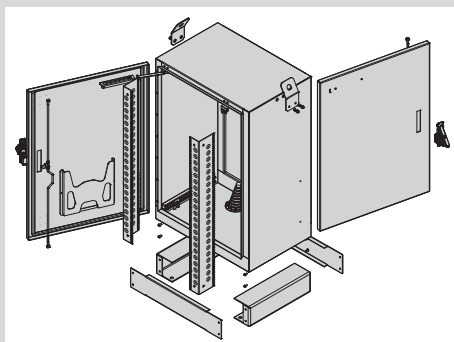
- External dimensions in accordance with IEC 619691/2, IEC 6091721
- Internal dimensions in accordance with ETS 300119, part 2
- Type of protection IP 55 in accordance with IEC 60529
- Protective GND/earthing connections in accordance with DIN EN 50178 / VDE 0160
- Vibration in accordance with IEC 619693 class 2

Cabinets – Outdoor

Overview 1.316

Outdoor cabinet for the most challenging operating conditions

- High stability up to earthquake resistance
- Weight-saving aluminium construction
- Assembly possibilities with 19", ETSI or other accessories
- Tested thermal concepts available
- IP 55 and security against vandalism



41612054

COMLINE: single wall

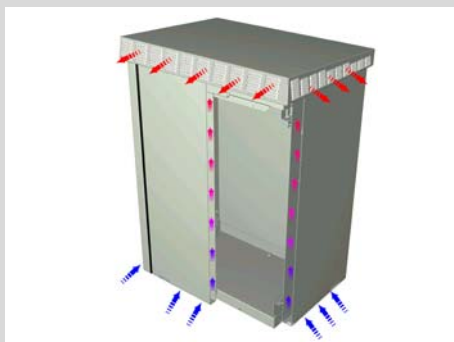
Weight-saving aluminium construction. Single wall cabinet ready for wall, pole or ground installation. Optimal for diverse applications in industry, transportation and communication.

Versions

- ECL - single access (front door)
- FTTX - single access (front door) and dual access (front and rear door)

COMLINE

ECL - single access 1.328
FTTX - single and dual access 1.329



41603054

Unibody

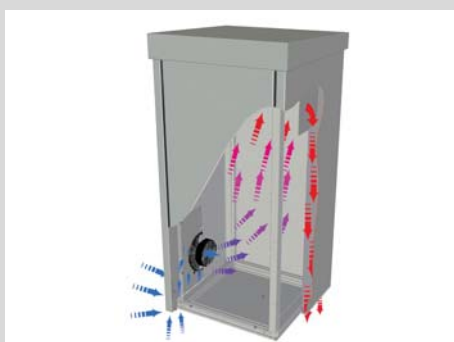
Cost-effective inner case with removable outer cladding. This version has advantages especially for small cabinets. If accessed through the front door, it meets the installation requirements.

Versions

- With natural convection
- With fan
- With heat exchanger

Outdoor Unibody

Unibody 1.322
Unibody VENT 1.323
Unibody HEX 1.324
Wall mounting kit 1.325



41603051

Modular

Aluminium profile frame with removable, double-walled cladding. This version has advantages especially for large cabinets and if access from all sides is needed.

Versions

- With fan
- With heat exchanger

Outdoor Modular

Modular VENT ... 1.326
Modular HEX 1.327

Accessories

Metric panel/slide mounts 1.328
19" panel/slide mounts 1.329



30407004

ServicePLUS from page 1.330

- e. g. individual configurations also with air conditioners
- e. g. custom solutions (electrical, thermal, backup power supplies, special sizes)

www.schroff.biz/ServicePLUS

ServicePLUS ... 1.330

Cabinets – Outdoor - COMLINE

Outdoor COMLINE ECL



Drawing shows version with with plinth

41612001

- Single wall, lightweight aluminium cabinet
- Heat dissipation through natural convection
- IP 55
- 2 versions
 - With plinth
 - Without plinth

Delivery comprises

Item	Qty	Description
1	1	Body, single wall, Al, 2.5 mm, RAL 7035
2	1	Front door, Al, 2.5 mm, RAL 7035, 3-point locking, lever handle with DIN profile half cylinder, door opening angle 135°, door retainer at 110°, door hinged on left hand side; electrical door switch
3	1	Solar shield top cover, Al, 2 mm, RAL 7035
4	1	Plinth, Al, 3 mm, height 120 mm (only for version with plinth)
5	2	19"/23" panel/slide mounts, St, galvanised, 2.5 mm
6	1	GND/earthing kit, assembled

Order Information

Height H	Height H	Width W	Depth D	With plinth	Without plinth
U	mm	mm	mm	Part no.	Part no.
12	600	600	500	12349-001	12349-009
18	900	600	500	12349-002	12349-010
18	900	700	500	12349-003	12349-011
25	1200	700	600	12349-004	12349-012

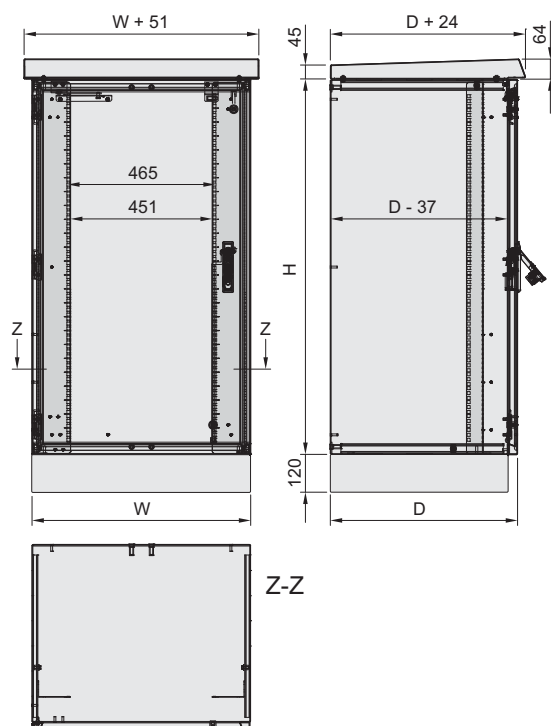
Height dimensions without plinth (120 mm)

Note

- 19"/23" panel/slide mount kit see page 1.319

Drawing shows version with plinth

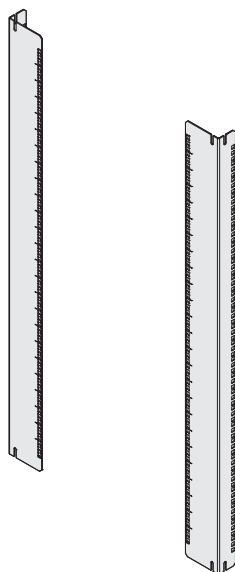
41612052



Drawing shows version with plinth
Door opening height = $H - 75$ mm;
door opening width = $W - 75$ mm

41612050

Cabinets – Outdoor – COMLINE

19"/23" panel/slide mount kit for
COMLINE ECL

- For fitting to depth member (25 mm grid)
- For recessed installation of 19"/23" components
- Slide rails can be fitted
- Load-carrying capacity 400 kg

Delivery comprises

Item	Qty	Description
1	2	19"/23" panel/slide mount, St, galvanised, 2.5 mm
2	1	Assembly kit

Order Information

For cabinet height		For cabinet width	Part no.
U	mm	mm	
12	600	600	22349-024
18	900	600	22349-025
18	900	700	22349-026
25	1200	700	22349-027

41612057

Cabinets – Outdoor - COMLINE

Outdoor COMLINE FTTX

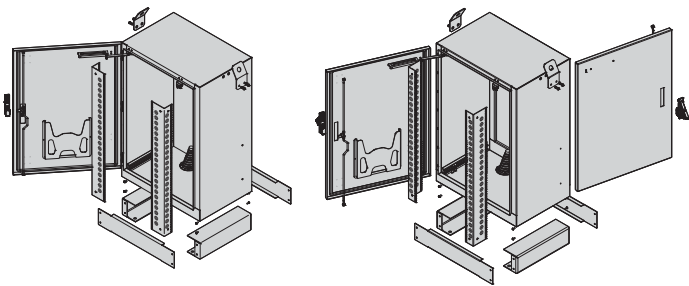


41612053

- Single wall, lightweight aluminium cabinet
- Insulated cabinet
- IP 55
- 2 versions with plinth
 - Single access (front door)
 - Dual access (front and rear door)

Delivery comprises

Item	Qty	Description
1	1	Body, Al, 2.5 mm, RAL 7035, single wall side panels, insulation thickness 12 mm, non inflammable; 3 cable entry boots are mounted in base for various sizes of cables, 2 removeable lifting brackets
2	1/2	Door, Al, 2.5 mm, RAL 7035, 3-point locking, lever handle with DIN profile half cylinder (1242E), door opening angle 135°, door retainer at 110°, door hinged on left hand side; electrical door switch
3	1	Plinth, Al, 3 mm, height 140 mm
4	2	19"/23" panel/slide mounts, galvanised St, 2.5 mm
5	1	Document pocket, thermoplastic (part no. ADP2)
6	1	GND/earthing kit, assembled



41612053

41612054

Single access

Dual access

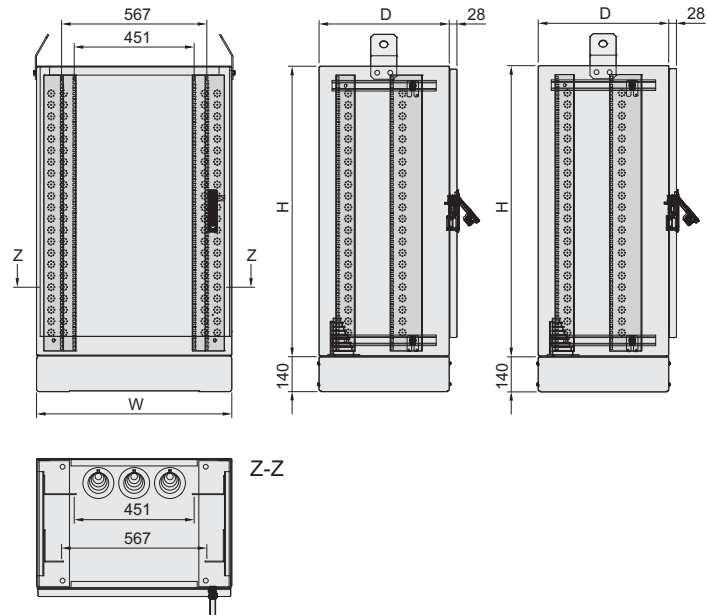
Order Information

Height H	Height H	Width W	Depth D	Dual access	Single access
U	mm	mm	mm	Part no.	Part no.
12	600	800	500	12349-007	12349-005
25	1200	800	600	12349-008	12349-006

Dimensions without plinth (140 mm)

Note

- 19"/23" panel/slide mount kit see page 1.321
- Cable entry see page 1.321
- Spool for fibre optic cables see page 1.321



41612055

41612056

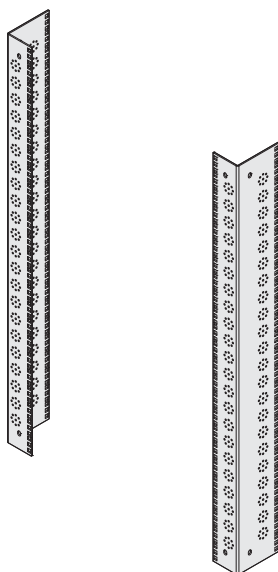
Dual access

Height of door opening = $H - 270 \text{ mm}$;
width of door opening = $W - 100 \text{ mm}$

Single access

Cabinets – Outdoor – COMLINE

19"/23" panel/slide mount kit for COMLINE FTTX



41612058

- For fitting to depth member (25 mm grid)
- For recessed installation of 19"/23" components
- Slide rails can be fitted
- Load-carrying capacity 400 kg

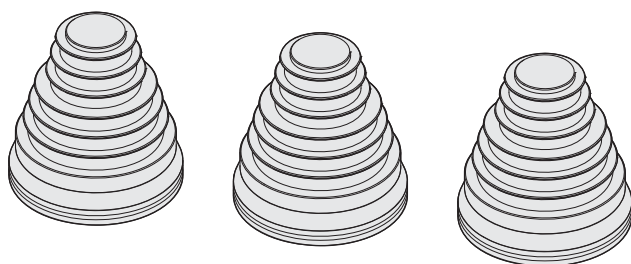
Delivery comprises

Item	Qty	Description
1	2	19"/23" panel/slide mount, St, galvanised, 2.5 mm
2	1	Assembly kit

Order Information

For cabinet height	For cabinet height	Usable height	Part no.
U	mm	U	
12	600	10	22349-032
25	1200	23	22349-033

Cable entry



41612059

- For cable ducting through the base of the cabinet

Delivery comprises

Item	Qty	Description
1	3	Cable entry, for cable diameter 30 ... 72 mm, EPDM, RAL 7035

Order Information

Cable entry	22349-034
-------------	------------------

Spool for fibre optic cables



FTTXMoldedRadiusModules

Delivery comprises

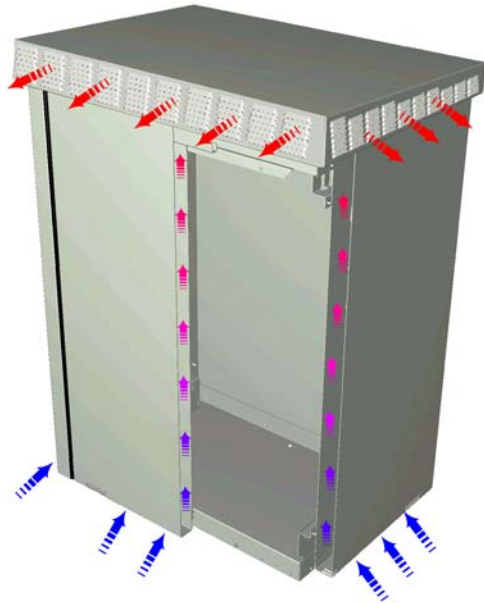
Item	Qty	Description
1	4	Spool for fibre optic cables, molded from black plastic
2	4	Screws, M5

Order Information

Description	Part no.
Spool for fibre optic cables	TOPTKSPL

Cabinets – Outdoor – Unibody

Unibody

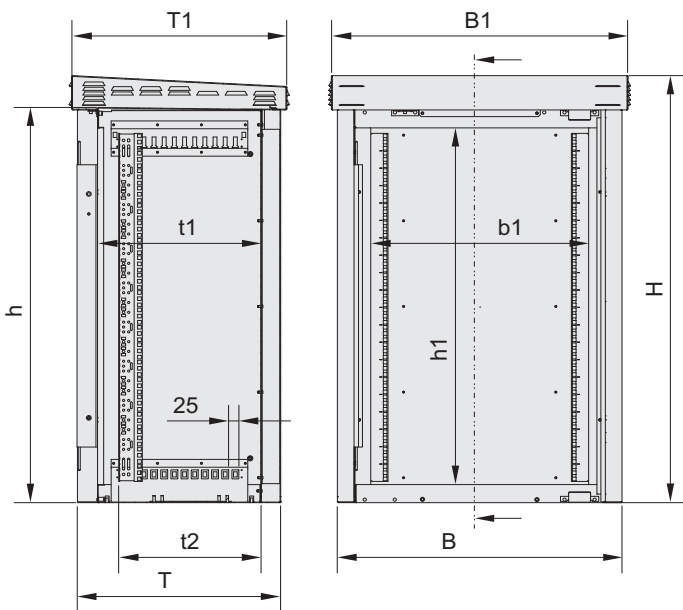


- One-piece inner case with removable outer cladding
- Heat dissipation through natural convection, max. 6 W/K
- IP 55
- Double-walled, Al

Delivery comprises (assembled)

Item	Qty	Description
1	1	Internal case, Al
2	2	Side panel, Al, RAL 7035
3	1	Front door, Al, RAL 7035, 3-point locking, lever handle with DIN profile half cylinder, door opening angle 135°, door retainer at 120°, door hinged on left hand side
4	1	Rear panel, Al, RAL 7035
5	1	Top cover, Al, RAL 7035
6	1	Plinth with removable covers (front and sides), height 100 mm
7	1	Base plate with cable connection plate, Al
8	4	Depth member for 19" metric panel/slide mounts
9	1	GND/earthing kit, assembled

41603054



41603058

H ^{*)} mm	H U	B mm	T mm	h mm	b ₁ mm	t ₁ mm	t ₂ mm	h ₁ mm	B ₁ mm	T ₁ mm
930	16	700	500	838	536	400	350	736	730	530
1100	20	700	500	1013	536	400	350	911	730	530

t₂ = max. 19" assembly dimension

*) height without base/plinth (base/plinth height 100 mm)



ServicePLUS see page 1.330

Order Information

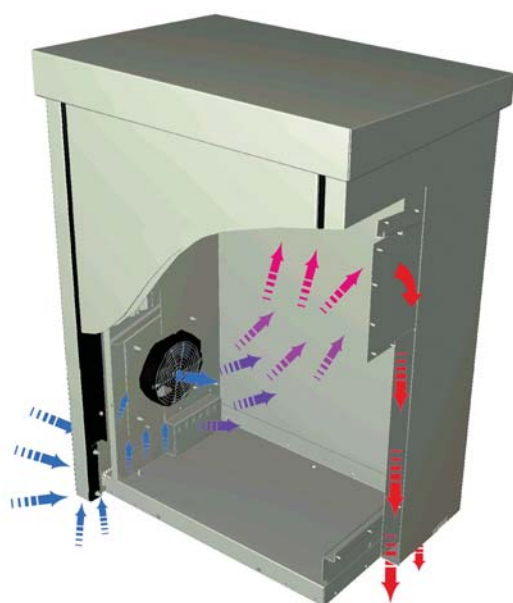
Height U	Height mm	Width mm	Depth mm	q _w W/K	Part no.
16	930	700	500	5	11249-003
20	1100	700	500	6	11249-005
Wall mounting kit 1 kit					21249-017

q_w = specific heat dissipation capacity

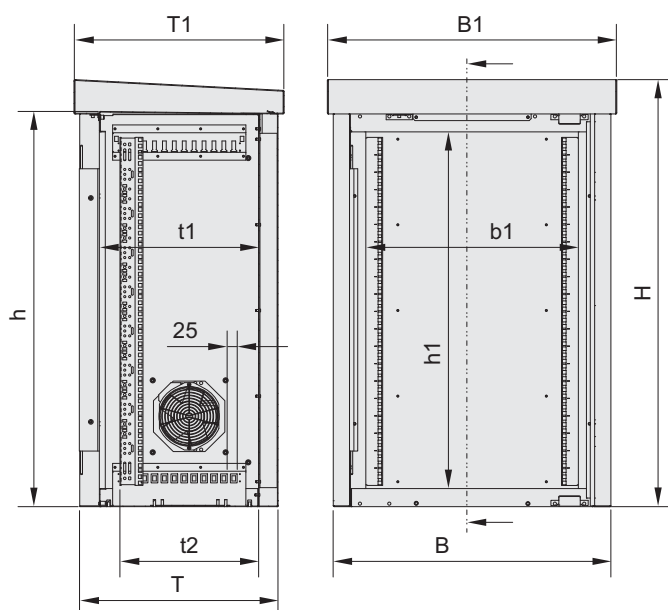
- Please order wall mounting material separately, see page 1.325
- Please order panel/slide mounts separately, see page 1.328

Cabinets – Outdoor - Unibody

Unibody VENT



41603055



41605050

H *)	H	B	T	h	b ₁	t ₁	t ₂	h ₁	B ₁	T ₁
mm	U	mm	mm	mm	mm	mm	mm	mm	mm	mm
930	16	700	500	838	536	400	350	736	730	530
1100	20	700	500	1013	536	400	350	911	730	530
1330	25	700	500	1238	536	400	350	1136	730	530

t₂ = max. 19" assembly dimension

*) height without base/plinth (base/plinth height 100 mm)

Calculation example at 35 W/K:

(Values as per ETS 300019-1-4 Class 4.1)

Internal temperature 50° C - external temperature 40° C = 10 K.

Up to 350 W of dissipation loss can thus be installed.

(35 W/K x 10 K).



ServicePLUS see page 1.330

- One-piece inner case with removable outer cladding
- Forced heat dissipation via fan assembled in side panel, max. 35 W/K
- IP 55
- Double-walled, Al

Delivery comprises (assembled)

Item	Qty	Description
1	1	Internal case, Al
2	2	Side panel, Al, RAL 7035
3	1	Front door, Al, RAL 7035, 3-point locking, lever handle with DIN profile half cylinder, door opening angle 135°, door retainer at 120°, door hinged on left hand side
4	1	Rear panel, Al, RAL 7035
5	1	Top cover, Al, RAL 7035
6	1	Plinth with removable covers (front and sides), height 100 mm
7	1	Base plate with cable connection plate, Al
8	4	Depth member for 19" metrical panel/slide mounts
9	1	GND/earthing kit, assembled
10	1	Axial fan (side mounted), airflow volume: 360 m ³ /h, 230 V _{AC} , 50 Hz, noise level less than 53 dB(A), max. pressure: 176 Pa, power consumption: 35 W, mains supply to screw terminal block
11	1	Filter mat
12	1	Thermostat, complete with cable

Order Information

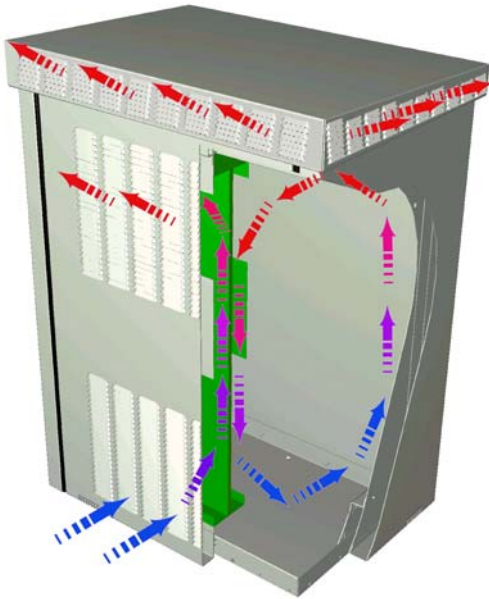
Height	Height	Width	Depth	q _W	Part no.
U	mm	mm	mm	W/K	
16	930	700	500	35	11249-007
20	1100	700	500	35	11249-009
25	1330	700	500	35	11249-012
Replacement fan 230 V _{AC} 1 piece					21149-185
Air filter for fan 10 pieces					21149-184
Wall mounting kit 1 kit					21249-017

q_W = specific heat dissipation capacity

- Please order wall mounting material separately, see page 1.325
- Please order panel/slide mounts separately, see page 1.328

Cabinets – Outdoor – Unibody

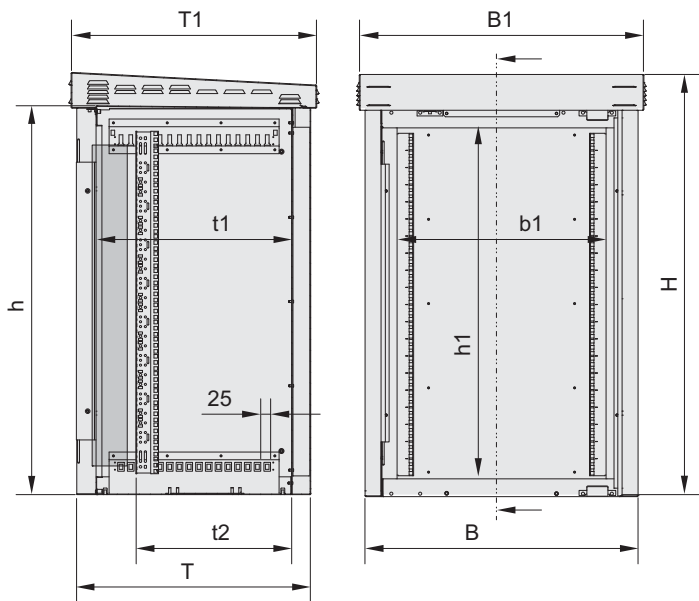
Unibody HEX



- One-piece inner case with removable outer cladding
- Forced heat dissipation via integrated heat exchanger in the door, max. 70 W/K
- IP 55
- Double-walled, Al

Delivery comprises (assembled)

Item	Qty	Description
1	1	Internal case, Al
2	2	Side panel, Al, RAL 7035
3	1	Front door, Al, RAL 7035, 3-point locking, lever handle with DIN profile half cylinder, door opening angle 135°, door retainer at 120°, door hinged on left hand side
4	1	Rear panel, Al, RAL 7035
5	1	Top cover, Al, RAL 7035
6	1	Plinth with removable covers (front and sides), height 100 mm
7	1	Base plate with cable connection plate
8	4	Depth member for 19" metric panel/slide mounts
9	1	GND/earthing kit, assembled
10	1	Heat exchanger 48 V _{DC} (electronically regulated with alarm outputs), incl. temperature sensor, heater and DC connecting cable with IEC plug, 3 m



H*)	H	B	T	h	b ₁	t ₁	t ₂	h ₁	B ₁	T ₁
mm	U	mm	mm	mm	mm	mm	mm	mm	mm	mm
1330	25	700	600	1238	536	500	400	1136	730	630

t₂ = max. 19" assembly dimension

*) height without base/plinth (base/plinth height 100 mm)

Calculation example at 70 W/K:

(Values as per ETS 300019-1-4 Class 4.1)

Internal temperature 50° C - external temperature 40° C = 10 K.

Up to 700 W of dissipation loss can thus be installed.

(70 W/K x 10 K).

Order Information

Height U	Height mm	Width mm	Depth mm	q _w W/K	Part no.
25	1330	700	600	70	11249-016
Wall mounting kit 1 kit					21249-017

q_w = specific heat dissipation capacity, average values

Technical data heat exchanger

	WT 70
Dimensions (height x width x depth)	1010 x 465 x 150 mm
Heater (input voltage/capacity)	230 V _{AC} /1000 W
Specific heat dissipation capacity	70 W/K
Fan	2 pieces
Input voltage	48 V _{DC}
Airflow volume external circuit	510 m ³ /h
Airflow volume internal circuit	600 m ³ /h
Temperature range	-40 ... 50 °C
Type of protection	IP 55
Weight	21 kg

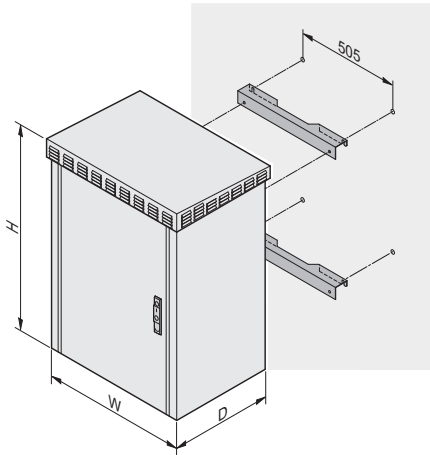
- Please order wall mounting material separately, see page 1.325
- Please order panel/slide mounts separately, see page 1.328
- Equipment cable for heater in heat exchanger (230V_{AC}, IEC connector), see page 3.38



ServicePLUS see page 1.330

Cabinets – Outdoor - Unibody

Wall mounting for Unibody



- Suitable for all Unibody standard dimensions
- Cut-out for cable ducting from the top

Delivery comprises

Item	Qty	Description
1	2	Bracket
2	1	Assembly kit

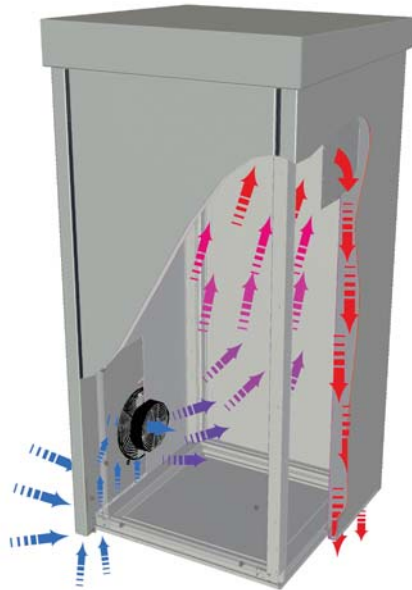
Order Information

Description	Part no.
Wall mounting kit	21249-017

41603064

Cabinets – Outdoor - Modular

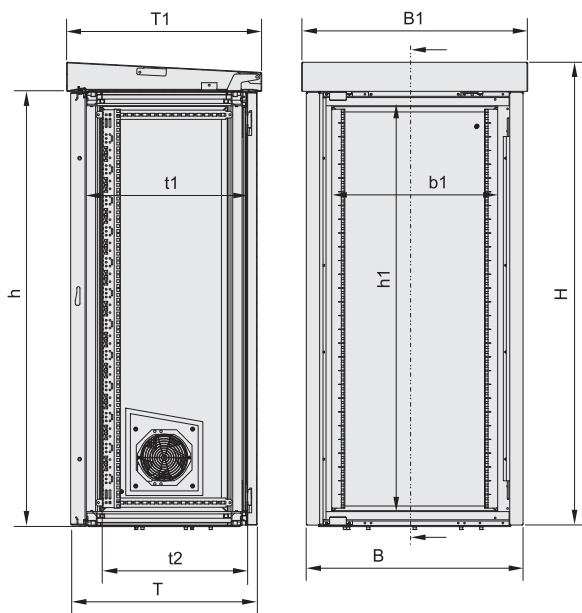
Modular VENT



- Aluminium profile frame with removable, double-walled cladding
- Forced heat dissipation via fans assembled in the side panel, max. 35 W/K
- IP 55
- Double-walled, Al
- Single door (for 700 mm width), double door (for 1300 mm width)

Delivery comprises (assembled)

Item	Qty	Description
1	1	Frame, screwed, Al
2	2	Double skin side panel, Al, inner untreated, outer external RAL 7035
3	1	Front door at 700 mm width, double door at 1300 mm width, Al, RAL 7035, 3-point locking, lever handle with DIN half profile cylinder, door opening angle 135°, door retainer at 120°, door hinged on left hand side
4	1	Double skin rear panel, Al, inner untreated, outer external RAL 7035
5	1	External top, Al, RAL 7035
6	1	Base/plinth with removable cover, height 100 mm
7	1	Base plate with cable connection plate, Al
8	4	Depth member for 19" metric panel/slide mounts
9	1	Earthing kit, assembled
10	1	Axial fan (assembled laterally), airflow volume: 360 m ³ /H, 230 V _{AC} 50 Hz, noise level less than 53 dB(A), max. pressure 176 Pa, power consumption 35 W, mains/line connector with screw terminal block
11	1	Filter mat
12	1	Thermostat, complete with cable



41603059

Order Information

Height U	Height mm	Width mm	Depth mm	q _w W/K	Part no.
25	1330	1300	600	35	10149-305
29	1510	700	600	35	10149-306
29	1510	1300	600	35	10149-308
Replacement fan 230 V _{AC} 1 piece					21149-185
Air filter for fan 10 pieces					21149-184

q_w = specific heat dissipation capacity

H*)	H	w	T	h	b ₁	t ₁	t ₂	h ₁	B ₁	T ₁
mm	U	mm	mm	mm	mm	mm	mm	mm	mm	mm
1330	25	1300	600	1233	1136	500	450	1136	1330	630
1510	29	700	600	1408	536	500	450	1311	730	630
1510	29	1300	600	1408	1136	500	450	1311	1330	630

t₂ = max. 19" assembly dimension

*) height without base/plinth (base/plinth height 100 mm)

Calculation example at 35 W/K:

(Values as per ETS 300019-1-4 Class 4.1)

Internal temperature 50° C - external temperature 40° C = 10 K.

Up to 350 W of dissipation loss can thus be installed.

(35 W/K x 10 K).

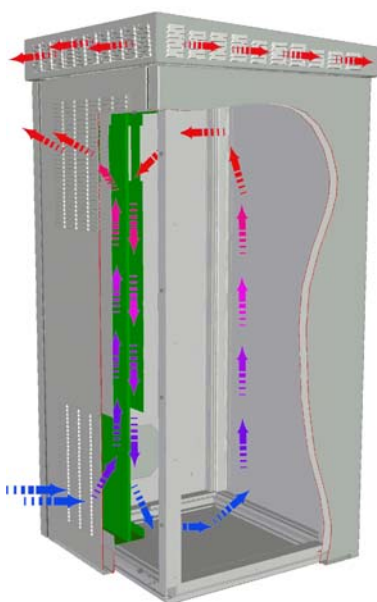


ServicePLUS see page 1.330

- Please order panel/slide mounts separately, see page 1.328

Cabinets – Outdoor - Modular

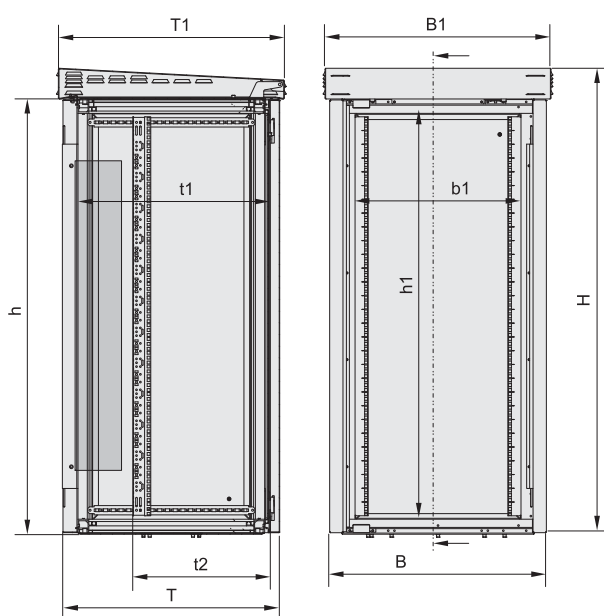
Modular HEX



- Aluminium profile frame with removable, double-walled cladding
- Forced heat dissipation via integrated heat exchanger in the door, max. 70 W/K
- IP 55
- Double-walled, Al
- Single door (for 700 mm width), double door (for 1300 mm width)

Delivery comprises (assembled)

Item	Qty	Description
1	1	Frame, screwed, Al
2	2	Double skin side panel, Al, inner untreated, outer external RAL 7035
3	1	Front door at 700 mm width, double door at 1300 mm width, Al, RAL 7035, 3-point locking, lever handle with DIN half profile cylinder, door opening angle 135°, door retainer at 120°, door hinged on left hand side
4	1	Double skin rear panel, Al, inner untreated, outer external RAL 7035
5	1	External top cover, Al, RAL 7035
6	1	Base/plinth with removable cover, height 100 mm
7	1	Base plate with cable connection plate, Al
8	4	Depth member for 19" metric panel/slide mounts
9	1	Earthing kit, assembled
10	1	Heat exchanger 48 V _{DC} (electronic control with alarm outputs), incl. temperature sensor and heater, DC connecting cable with IEC connector, 3 m



41603052

41605052

H*)	H	B	T	h	b ₁	t ₁	t ₂	h ₁	B ₁	T ₁
mm	U	mm	mm	mm	mm	mm	mm	mm	mm	mm
1330	25	1300	600	1233	1136	500	350	1136	1330	630
1510	29	700	700	1408	536	600	450	1311	730	730
1510	29	1300	600	1408	1136	500	350	1311	1330	630

t₂ = max. 19" assembly dimension

*) height without base/plinth (base/plinth height 100 mm)

Calculation example at 70 W/K:

(Values as per ETS 300019-1-4 Class 4.1)

Internal temperature 50° C - external temperature 40° C = 10 K.

Up to 700 W of dissipation loss can thus be installed.

(70 W/K x 10 K)

Order Information

Height	Height	Width	Depth	q _w	Part no.
U	mm	mm	mm	W/K	
25	1330	1300	600	70	10149-313
29	1510	700	700	70	10149-315
29	1510	1300	600	70	10149-316

q_w = specific heat dissipation capacity, average values

Technical data heat exchanger

	WT 70
Dimensions (height x width x depth)	1010 x 465 x 150 mm
Heater (input voltage/capacity)	230 V _{AC} /1000 W
Specific heat dissipation capacity	70 W/K
Fans	2 pieces
Input voltage	48 V _{DC}
Airflow volume external loop	510 m ³ /h
Airflow volume inner loop	600 m ³ /h
Temperature range	-40 ... 50 °C
Type of protection	IP 55
Weight	21 kg

Note

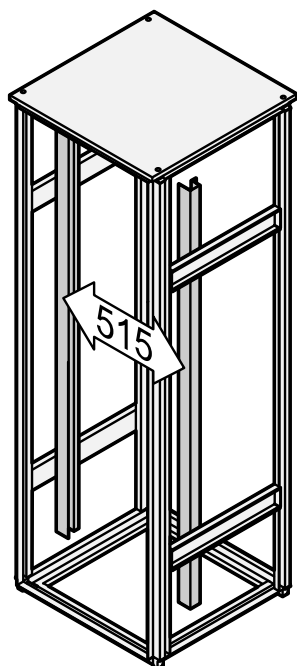
- Please order panel/slide mounts separately, see page 1.328
- Equipment cable for heater in heat exchanger (230V_{AC}, IEC connector), see page 3.38



ServicePLUS see page 1.330

Cabinets – Outdoor - Accessories

Metric panel/slide mounts



41001548

- For fixing metric chassis, subracks, distributor and filler panels to IEC 60917-2-1
- Modular version fixes direct to the frame or to the depth members; Unibody fixes to the depth members

Delivery comprises

Item	Qty	Description
1	2	Metric panel/slide mounts, bolt-on dimension 515 mm, St, 2 mm, AlZn
2	1	Assembly kit, incl. GND/earthing

Order Information

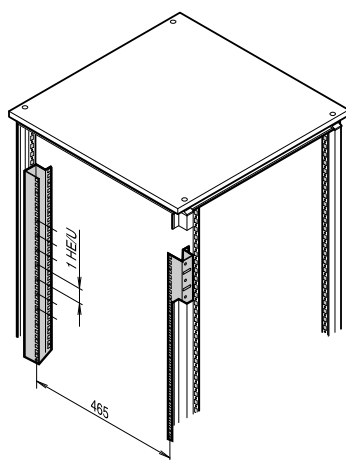
For cabinet height mm	Usable height SU	Length mm	AlZn Part no.
Partial-height mounting	16	400	24127-547
Partial-height mounting	21	525	24127-682
930	28	700	24127-686
1100	35	875	24127-689
1330	44	1100	24127-694
1510	51	1275	24127-697

Note

- Depth members and slide rails for partial-height mounting available on request

Cabinets – Outdoor - Accessories

19" panel/slide mounts



PLA445434

- For mounting of 19" chassis, subracks, distribution and filler panels in accordance with IEC 60297-3-100 (DIN 41 494, part 1)
- Assembled directly on the frame or on the depth member for the Modular, for Unibody assembly on depth member

Delivery comprises

Item	Qty	Description
1	2	19" panel/slide mount, St, 2 mm, RAL 7035/Al-Zn
2	1	Assembly kit, incl. GND/earthing

Order Information

For cabinet height mm	Usable height U	Length mm	Part no.
Partial-height mounting	9	400	24127-370
Partial-height mounting	12	533	24127-484
930	16	711	24127-485
1100	20	889	24127-487
1330	25	1111	24127-489
1510	29	1289	24127-491

Note

- Depth member for partial-height mounting available on request

Cabinets – Outdoor ServicePLUS



configuration

Simple. Fast. For the product you want.

Components can be varied and combined freely

- Enquiry form for outdoor cabinets
 - Various interior and exterior dimensions
 - Degree of protection
 - Determining of the cooling capacity
 - Cooling concept
- Online configuration: www.schroff.co.uk/configuration



solution

Simple. Fast. From one source.

Integration and custom developments

- Heat simulation on FloTHERM® model and calculations by experts
- Special sizes, customised solutions



academy

Knowledge. Sharing. Partnerships.

Knowledge transfer and partnership

- Seminars, white papers, CAD drawings, test reports, user reports



lifecycle

We are with you. For the entire product life.

Flexible support throughout the product lifecycle

- Delivery to point of use, installation service, exchange service, maintenance, repair, replacement parts, recycling

Cabinets – Outdoor ServicePLUS



41608003

Mobile telephony base station

- Mobile telephony base station with energy supply in one cabinet
- BTS connection via special cable routing in top element
- Based on the "modular" concept, the cabinet can be upgraded with various pre-defined "kits"
- Cooling either via fresh-air inlet (air filtered fan) or, in other cabinet variants, using an air conditioner



41608004

Mobile telephony power supply

- Cabinet for power supply to mobile telephony base stations
- Based on the "modular" cabinet concept with a special top panel design for cabling; can accept both 19" and 21" wide devices
- Heat exchanger in the front door
- AC/DC power distribution installed laterally beside 19" plane



41608005

Wimax

- Base station for Wimax applications
- "Unibody" concept with special base for easy assembly at installation site
- Fresh air inlet via air inlet filter
- Additional components such as cabinet heater and door contact switch factory preinstalled

Cabinets – Outdoor ServicePLUS



41608010

VDSL fixed network

- VDSL distribution cabinet
- Case based on a "modular" frame and double-walled outer cladding
- Cooling via controlled fans in case top panel. Airflow is only between the double walls; the device area remains sealed
- Separate stainless steel base with space for batteries and cable ducting



41608006

Battery cabinet

- Cabinet to power mobile telephony stations
- Based on the "modular" cabinet concept with the option of accommodating both 19" and 21" wide devices
- Direct cooling via fresh air introduced into the interior via an air filtered fan
- Fitting and connection of additional components e.g. smoke detector, door contact switch etc



41608007

Triple Play

- Distribution cabinet for fibre-optic cables (FTTN/FTTH)
- Ex works with power supply, backup batteries and safety devices
- Design outdoor "Modular"
- Combined cooling with air conditioner and additional internal air circulation

Cabinets – Outdoor ServicePLUS



41603016

Meteorology

- Compact, robust case for recording measured data in thunderstorms and strong winds
- Outdoor "Unibody" for mast mounting
- Climate control based on an additional fan in the gap between the dual walls
- A controllable heater can be added for use in freezing conditions



41608008

Voltage monitoring (railway)

- Voltage monitoring on overhead cables
- Construction based on "unibody" concept, for wall or mast mounting
- Energy-saving, noiseless cooling by convection between the double walls



41608009

Measurement technology on the rails

- Safety measurement device to detect the wheel temperature of passing trains
- Positioned very close to the tracks, thus requires robust vibration-proof design to IEC 61963
- Construction based on "modular" concept; the devices are mounted on a swing frame
- Heat dissipation via side-mounted air conditioner

Appendix – Order notes

Packaging units

A packaging unit (PU) - e.g. carton, bag - contains the stated quantity. If you order the quantity 1, you will automatically receive the quantity defined as PU.

Example: EMC textile gasket
See page 5.22
Part number 21101-853

Quantity (per part number): 10 pieces

Order quantity: Delivery quantity:

1	10 pieces
2	20 pieces
3	30 pieces

Price list

Our price list is available by e-mail from your customer consultant.
Please find all contact details at www.schroff.biz/contact.

Always up-to-date

Please visit our website www.schroff.biz where we continuously inform about news and technical changes.

Quick links

Catalogue request: www.schroff.biz/catalogues

Product configurators: www.schroff.biz/conf

Contact details: www.schroff.biz/contact

Product search: www.schroff.biz/oneclick

Front Panel Express: www.frontpanelexpress.eu

VARISTAR: www.varistar.co.uk

Railway technology: www.schroff.co.uk/railway

IT Infrastructure: www.schroff.co.uk/datacom

Standard pack quantity (SPQ)

Please take into consideration that deliveries may be carried out in the stated SPQs (SPQ, e.g. 5 pieces, 10 pieces, 50 pieces, etc.). Differing order quantities (e.g. 2 pieces) may be changed to the next possible delivery quantity = Standard Pack Quantity (in this case 10 pieces).

Example: Front horizontal rail
See page 5.31
Part number 34560-228

Quantity (per part number): 1 piece
Standard pack quantity (SPQ): 10 pieces

Order quantity: Delivery quantity:

≤ 10	10 pieces
> 10 ≤ 20	20 pieces
> 20 ≤ 30	30 pieces

Delivery times

Part numbers in bold face type are ready for despatch within 2 working days; part numbers in normal type are ready for despatch within 10 working days.

Business relations

Schroff is exclusively operating in Business to Business (B2B). Private individuals can buy Schroff products via our sales representatives (see www.schroff.biz/contact).

Responsible for contents and print

Schroff GmbH, Marketing Communication,
D-75334 Straubenhardt, Germany

The data in this catalogue have been thoroughly edited and checked - in assistance with an accredited Quality Management System in accordance with EN ISO 9001:2008.

Faults and spelling mistakes, but mainly changes due to improvements and further developments of our products are subject to change. There is no possibility to claim indemnity/compensation.

Cabinets	Overview.....	1.0	LHX 20/40 Air/water heat exchangers.....	1.224	1
	Varistar Cabinet platform.....	1.2	LHX 3 Air/water heat exchangers.....	1.236	
	Varistar Electronics.....	1.10	Novastar.....	1.240	
	Varistar EMC.....	1.54	Eurorack.....	1.270	
	Varistar Seismic.....	1.84	Outdoor.....	1.316	
	Varistar MIL.....	1.120	Etsirack.....	1.346	
	Varistar Data/network systems.....	1.124	19" lab racks.....	1.354	
	Varistar Containment.....	1.202	PROLINE.....	1.362	
Wall mounted case	Overview.....	2.0			2
	Epcase.....	2.36			
	LAN wall-mounted distributors.....	2.46			
Cabinet and wall-mounted case accessories	Overview.....	3.0	Monitors, keyboards, monitoring.....	3.44	3
	Mechanics.....	3.2	Socket strips.....	3.50	
	Telescopic slides.....	3.24	Power control socket strips.....	3.72	
	Electrical.....	3.29			
Climate control	Overview.....	4.0	Accessories.....	4.58	4
	Cooling concepts/service.....	4.2			
	19" fan trays.....	4.4			
	Air filtered fans.....	4.20			
Desktop enclosures	Overview.....	5.0	Comptec.....	5.100	5
	RatiopacPRO.....	5.6	Accessories.....	5.108	
	PropacPRO.....	5.44	Interscale.....	5.200	
	CompacPRO.....	5.76	Minipac.....	5.230	
Subracks/ 19" chassis	Overview.....	6.0	EuropacPRO industrial applications.....	6.86	6
	EuropacPRO.....	6.2	EuropacPRO Rugged.....	6.92	
	EuropacPRO		MultipacPRO.....	6.112	
	for railroad applications.....	6.70	Inpac.....	6.128	
Front panels, Plug-in-units, Frame type plug-in-units	Overview.....	7.0	PCB accessories.....	7.102	7
	Front panels.....	7.2			
	Plug-in units.....	7.16			
	Frame type plug-in units.....	7.64			
Systems	Overview.....	8.0	AdvancedMC modules.....	8.56	8
	AdvancedTCA.....	8.2	CompactPCI, Serial, PlusIO, PSB.....	8.68	
	AdvancedMC carriers.....	8.26	VME, VME64x, VXS, VPX.....	8.88	
	MicroTCA.....	8.36	Accessories.....	8.106	
Power supply systems	Overview.....	9.0	19" accessories.....	9.18	9
	19" AC/DC switched-mode PSUs.....	9.2	PSUs for MicroTCA.....	9.20	
	19" AC/DC linear regulators.....	9.12	PSUs for VMEbus.....	9.22	
	19" AC/DC convertors.....	9.15	PSUs for CompactPCI, VME64x.....	9.24	
Backplanes	Overview.....	10.0	VME64x, VMEbus.....	10.15	10
	CompactPCI, Serial, PlusIO.....	10.4	Power.....	10.18	
	PXI.....	10.11	Universal.....	10.19	
	VXS.....	10.14	Test adaptors.....	10.20	
Connectors, Front panel component systems	Overview.....	11.0			11
	Connectors.....	11.2			
	Front panel component system.....	11.12			
Appendix	Standards abbreviations.....	12.0			12
	Notes on ordering.....	12.10			
	Order number index.....	12.11			
	Product index.....	12.62			