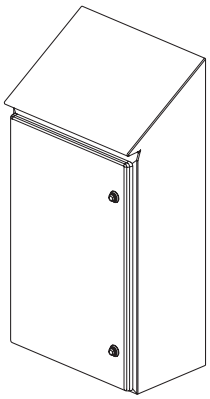
Food grade stainless steel Atlantic cabinet

Cat. No(s): 0 352 34/36/38/39



CONTENTS Page

1. GENERAL CHARACTERISTICS

Stainless steel cabinets with blue silicone seal.
Protection class against solid bodies and liquids in accordance with standard IEC 60529: IP 66 and IP 69.
Protection class against mechanical impact IK 10 in accordance with standard IEC 62262 (EN 50102).
Outdoor or indoor use
Classification in accordance with standard 60721-3-4:
- climatic conditions: 4K4
- biological conditions: 4B1
- presence of active chemical substances: 4C3

Max. permissible load in the cabinet's usable space: 500 kg/m³

2. MATERIALS

Enclosure made of austenitic (non-magnetic) stainless steel:
- 304 L <–> Z3 CN 18-9, 12-02
- Steel with the same composition sometimes has different designations depending on standards in the country of origin:

		St. steel grade
Country	Standards	Low-carbon austenitic
United States	AISI	304 L
United States	UNS	S 30403
Europe	EN 10088-2 (1195)	X2CrNi18-9
Europe	Numeric code	1.4307
UK	BS 1554 (1990)	304 S 11
Germany	Werkstoffnummer	1.4307
France	NF A 35-573 (1990)	Z 3 CN 18-10
France	Previous standard	Z 2 CN 18-10
France	"Ugine" brand	NS 22 S
Sweden	MNC 900E (1985)	SIS 2352
Japan	JIS G 4304 (1987)	SUS 304 L

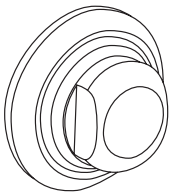
3. FINISH

Vertical brushed stainless steel: polished, grain size 180 (standard NF E 05-015):
- 0.25 µm ≤ Ra ≤ 0.5 µm
- 0.5 µm ≤ Rt ≤ 2.5 µm

High-protection guard.
Door with rounded vertical edges. Reversible door.

3. FINISH (continued)

Closed with a lock(s):
- Hygienic Design stainless steel



4. RANGE

■ 4.1 Cabinet details

Catalogue numbers	Dimensions (mm)		
	Height	Width	Depth
0 352 34	400	300	200
0 352 36	600	400	250
0 352 38	800	600	300
0 352 39	1000	800	300

■ 4.2 Made to order cabinet

4.2.1 Drill holes and cut-outs

On body (excluding upper part).
On doors.
On solid plates.
Customised inspection window.

4.2.2 Equipment

Lina 12.5 or Lina 25 solid plates.
Lina 25 upright.
Wall-mounting lugs.
Adjustable feet.
Fans installed.

4.2.3 Cable gland plates

NB: Adding a cable gland plate provides protection against solid objects and liquids: IP 55.
With or without cable gland.
Positioned at the bottom.
Cabstop™ plate installed.

5. CABINET RESISTANCE PROPERTIES

■ 5.1 Resistance to chemical agents

Resistance to chemical agents at ambient temperature/at risk of exposure by spraying

Aqueous solutions	
Cold water/distilled water	++
Hot water	++
Steam	++
5% saline solution	++
30% oxygenated water	++
Water + detergent	++
Alcohols	
Ethanol	++
Methanol	++
Propanol	++
2-Butanol	++
Glycols	
Ethylene glycol	++
Phenols	++
Cresols	++
Alkalis	
Ammonia < 20%	++
Sodium hydroxide (caustic soda)	++
Sodium hypochlorite (< 2.6% active chlorine)	+
Potassium hydroxide (potash)	++
Strong acids	
Acetic acid 90%	-
Nitric acid 12.5%	-
Sulphuric acid 20%	-
Hydrochloric acid < 1%	-
Phosphoric acid 75%	++
Weak acids	
Citric acid < 50%	++
Lactic acid 20%	+
Formic acid 85%	--
Uric acid	++
Animal-based	
Butter	++
Single/double cream	++

Plant-based	
Linseed oil	++
Groundnut/olive oil	++
Glycerine	++
Mustard	+
Margarine	++
Mineral-based	
Paraffin wax (Vaseline)	++
Vehicle engine oil	++
Silicone oils	++
Chlorine-free cutting oils	++
Chlorinated cutting oils	++
Soluble cutting oils	++
Hydraulic oils	++
Hydrocarbons	
Lead-free petrol	--
Dearomatised oil	--
Chlorinated solvents	
Dichloromethane or methylene chloride	--
Aromatic solvents	
Toluene	--
Aliphatic solvents	
Hexane	++
Heptane	++
Ketones	
Acetone	-
Ethyl acetate	--
Terpenes	
Turpentine	--
Solvent-based cleaning agents	
White spirit	--
"Essence F" stain remover	--
Synthetic thinner	--

++ Excellent resistance (continuous exposure possible)
+ Good resistance (long term exposure depending on conditions)
- Limited resistance (brief exposure possible)
-- Poor resistance (exposure to be avoided).

■ 5.2 Corrosion resistance

304 L steel
- to salt spray (SS) 1000 hrs.
- to sulphur dioxide (SO_2) 500 hrs.

■ 5.3 Environmental suitability

Local climate		304 L
Indoors	Dry	Excellent
	Damp	Excellent
	Damp and harsh	Good
Outdoors	Rural	Excellent
	Urban	Excellent
	Industrial	Good
	Tropical	Good
Temperature and humidity	Cold	Excellent
	Very cold	Excellent
	Temperate (Europe)	Excellent
	Hot and dry (North Africa)	Excellent
	Humid	Good

5. CABINET RESISTANCE PROPERTIES (continued)

■ 5.4 Applications

In areas requiring strict hygiene, for example:
- food processing industries
- distilleries
- industrial kitchens
- dairies
- clean rooms

In corrosive environments, for example:
- chemical industries
- pharmaceutical industries
- oil industries
- paper industries

Typical 304 L resistance:
- nitric acid up to 52% at all temperatures and 98% when cold
- cold dilute organic acids
- saline solutions other than chlorides, sulphurs and sulphates
- fresh water and natural atmosphere with low chloride content
- foodstuffs (except mustard and white wine)

6. HEAT DISSIPATION CAPACITY

Testing the max. capacity of a cabinet to dissipate heat according to standard IEC 62208-1.

Configuration 1 (C1):
All outer surfaces of the cabinet are clear and not in contact with anything (floor standing, on structural bracket or frame for example).

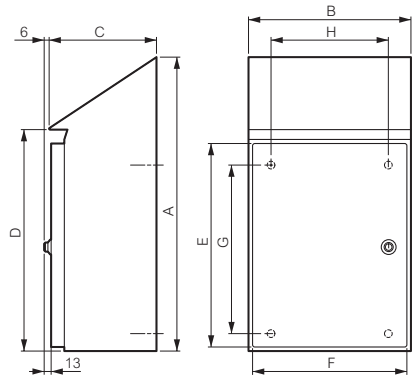
Configuration 2 (C2):
The rear surface is in contact with a wall, all other surfaces are clear (standard case of wall mounting for example).

For other installation configurations, please consult us.

Cat. No.	Dimensions (mm)	Temperature rise delta (°K)	Max. power that can be dissipated (W)	Configuration
0 352 34	400 x 300 x 200	30	65	C1
0 352 34	400 x 300 x 200	30	53	C2
0 352 36	600 x 400 x 250	30	125	C1
0 352 36	600 x 400 x 250	30	100	C2
0 352 38	800 x 600 x 300	30	230	C1
0 352 38	800 x 600 x 300	30	180	C2
0 352 39	1000 x 800 x 300	30	350	C1
0 352 39	1000 x 800 x 300	30	260	C2

7. DIMENSIONS (mm) SHEET THICKNESS

■ 7.1 Overall dimensions



NB: dimension C does not include the lock.
Lock depth: 6 mm

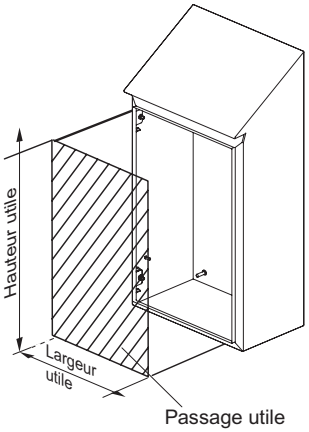
Cat. No.	Cabinet dimensions (mm)			Dimensions (mm)							
	Height	Width	Depth	Height A	Width B	Depth C	D	E	F	G	H
0 352 34	400	300	200	566	312	210(1)	428	364	267	325	225
0 352 36	600	400	250	798	412	260(1)	628	564	367	525	325
0 352 38	800	600	300	1031	612	310(1)	828	764	566	725	525
0 352 39	1000	800	300	1231	812	310(1)	1028	964	766	925	725

1: +6 mm with lock

Dimensions (mm)	Thickness	
	Body	Doors
400 x 300 x 200	12/10th	10/10th
600 x 400 x 250	12/10th	12/10th
800 x 600 x 300	15/10th	15/10th
1000 x 800 x 300	15/10th	15/10th

8. USABLE DIMENSIONS

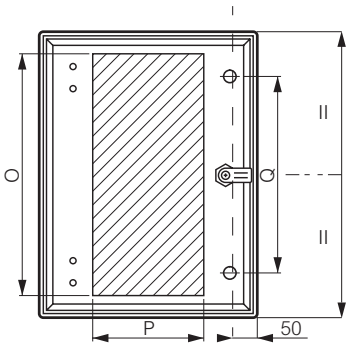
■ 8.1 Front panel



Cabinet dimensions (mm)		Usable area (mm)	
Height	Width	Height	Width
400	300	364	266
600	400	564	366
800	600	764	566
1000	800	964	766

■ 8.2 Cabinet door

Door



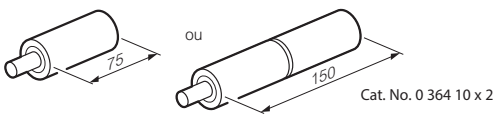
Cabinet dimensions (mm)		Dimensions (mm)			
Height	Width	O (mm)	P (mm)	Q (mm)	Usable surface area (dm²)
400	**300**	330	150		4.95
600	**400**	530	250	400	13.25
800	**600**	730	450	600	32.85
1000	**800**	930	650	800	60.45

9. FIXING THE CABINET

■ 9.1 With 304 L stainless steel wall-spacing lugs Cat. No. 0 364 10

Wall-spacing lugs (set of 4)

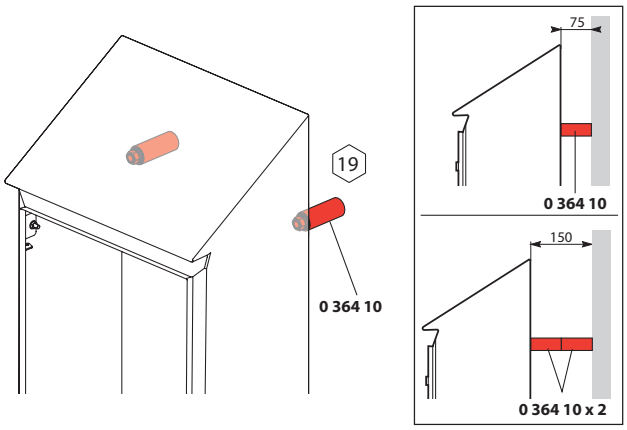
Cat. No. 0 364 10

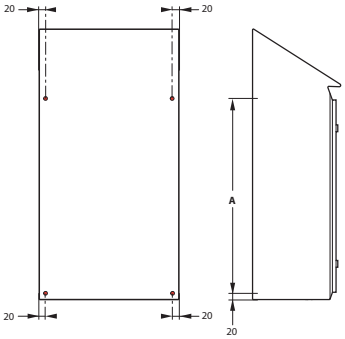


For a 125 kg load
- 75 mm offset
- max. 150 mm offset possible by ordering a 2nd set of 4 lugs Cat. No. 0 364 10

9. FIXING THE CABINET (continued)

■ 9.1 With wall-spacing lugs Cat. No. 0 364 10 (continued)

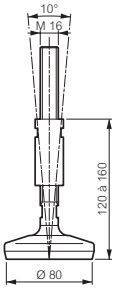


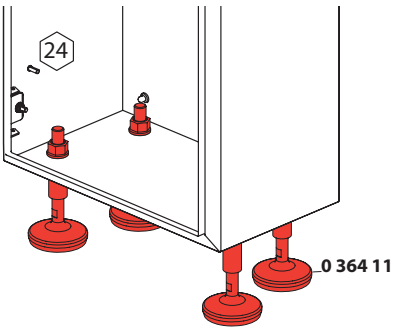


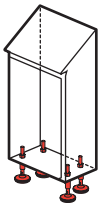
Cat. No.	A (mm)
0 352 34	375
0 352 36	575
0 352 38	775
0 352 39	975

304 L stainless steel adjustable feet

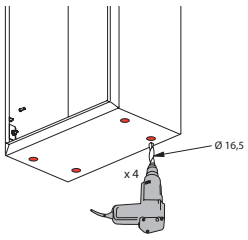
Cat. No. 0 364 11
For a 125 kg load

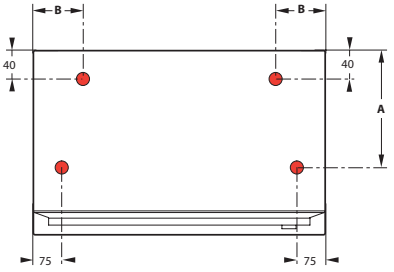






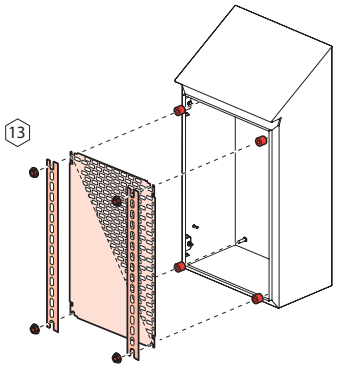
Cat. No.	A (mm)	B (mm)
0 352 34	155	95
0 352 36	205	75
0 352 38	255	75
0 352 39	255	75





10. POSITIONING THE EQUIPMENT

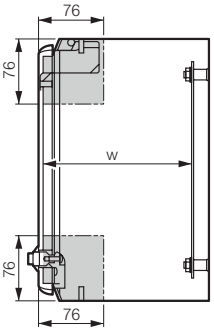
■ 10.1 Fixing centres inside the cabinet



Cabinet dimensions (mm)		Dimensions (mm)	
Height	**Width**	**F**	**E**
400	300	325	225
600	400	525	325
800	600	725	525
1000	800	925	725

■ 10.2 Positioning in terms of depth

Usable depth

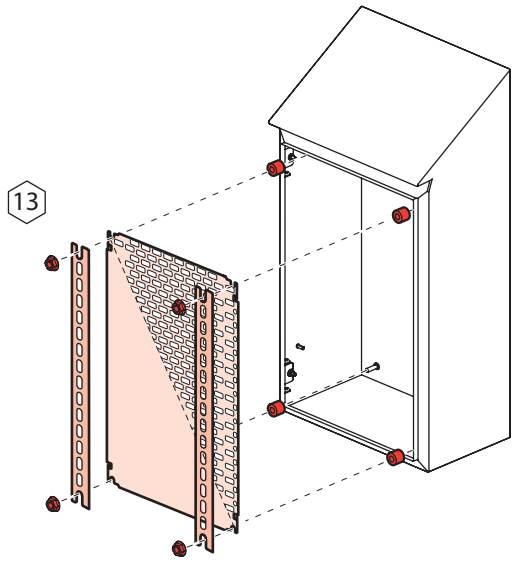


Cabinet depth (mm)	At back of cabinet
	W (mm)
200	179
250	229
300	279

Hinge pivoting zone

11. EQUIPMENT

■ 11.1 Equipment fixed directly at the back of the cabinet (M8 stud)

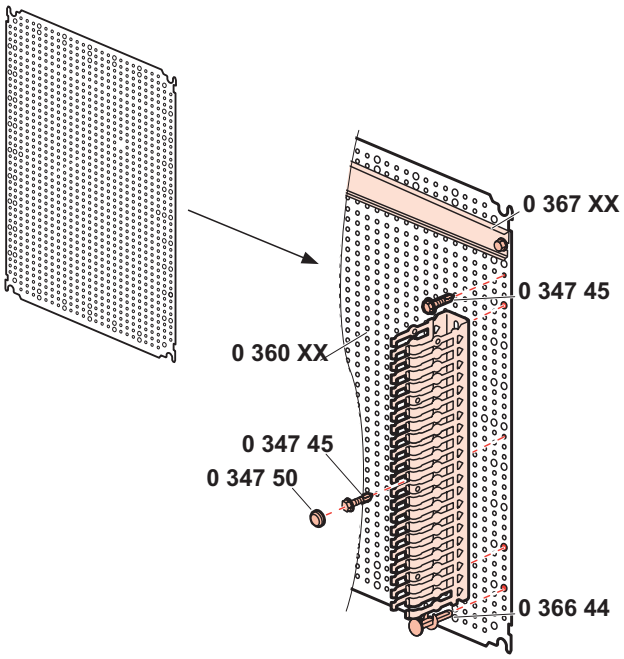


11. EQUIPMENT (continued)

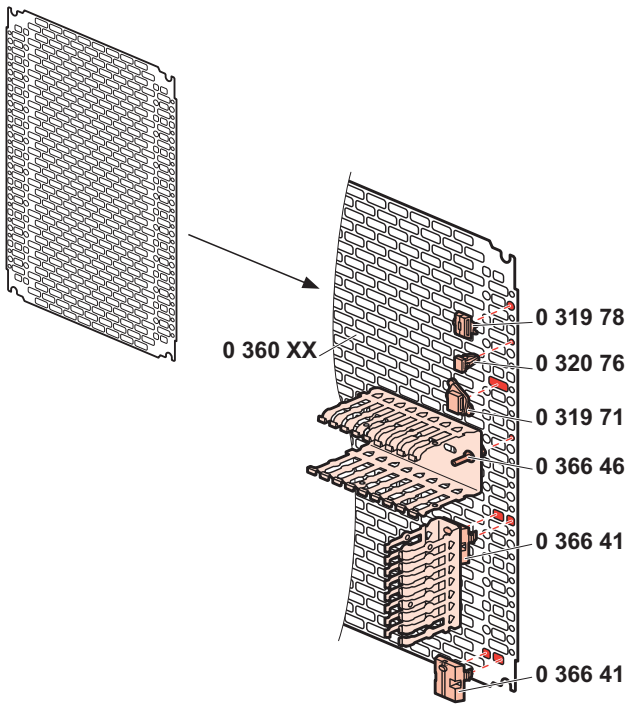
■ 11.2 Lina 12.5 and Lina 25 solid plates

- Lina 12.5 and Lina 25 galvanised steel solid plates
- Lina 12.5: with drill holes allowing equipment to be installed without marking up, automatic alignment.
- Lina 25: galvanised steel.

Lina 12.5



Lina 25



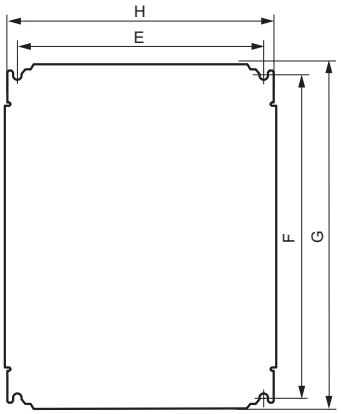
11. EQUIPMENT (continued)

■ 11.2 Lina 12.5 and Lina 25 solid plates (continued)

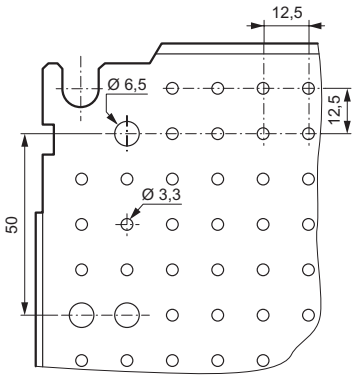
• Dimensions

Lina 12.5 solid plates and Lina 25 perforated plates

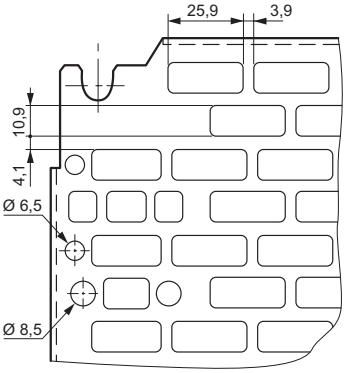
Solid



Detail of Lina 12.5



Detail of perforated Lina 25



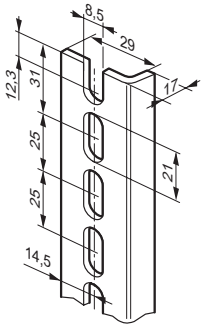
Lina 12.5 solid plates and Lina 25 perforated plates

Cabinets		Lina 12.5/Lina 25 solid plates		Usable equipment area (dm²)	Plate fixing		Solid	Lina 12.5	Lina 25
Height	Width	G	H		F	E	Cat. No.	Cat. No.	Cat. No.
400	**300**	356	256	8.2	325	225	0 360 52	0 360 04	0 360 12
600	**400**	556	356	18.7	525	325	0 360 56	0 360 22	0 360 16
800	**600**	756	556	40.7	725	525	0 360 59	0 360 33	0 360 19
1000	**800**	956	756	70.7	925	725	0 360 61	0 360 42	0 360 21

■ 11.3 Lina 25 sectioned uprights and rails for creating the chassis

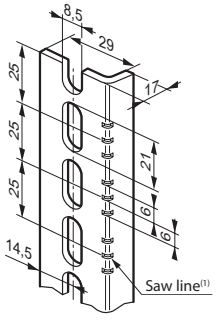
Lina 25 sectioned uprights

Cat. Nos. 0 361 51/53/55/56



Sectioned uprights for cutting to length

Cat. No. 361 92



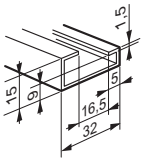
(1)Saw line marking on upright length at 25 mm intervals.
The other two are used to obtain the length of uprights Cat. Nos. 361 51/53/55/56.

Cabinet height (mm)	Upright length (mm)	Upright Cat. No. (set of 2)
400	337	0 361 51
600	537	0 361 53
800	737	0 361 55
1000	937	0 361 56
3 m upright for cutting to length		0 361 92

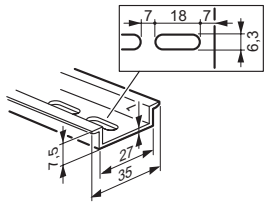
11. EQUIPMENT (continued)

■ 11.4 Rails

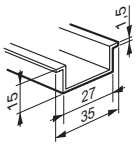
Cat. No. 374 02



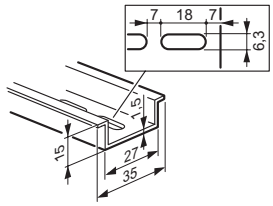
Cat. No. 477 22



Cat. Nos. 367 80/81/83/84
Cat. No. 0 374 07



Cat. No. 477 23



Cabinet width (mm)	Rail length (mm)	⌐¬ Rail Cat. No.
300	243	0 367 80
400	343	0 367 81
600	543	0 367 83
800	743	0 367 84

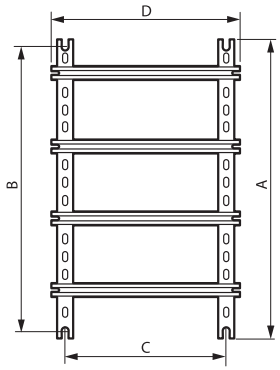
2 m rail for cutting to length

Cat. No. 0 374 02 asymmetrical ⌐¬ according to standard EN 60715

Cat. No. 0 374 07 symmetrical ⌐¬ 15 mm deep

Cat. No. 0 477 22 symmetrical ⌐¬ 7.5 mm deep with oblongs

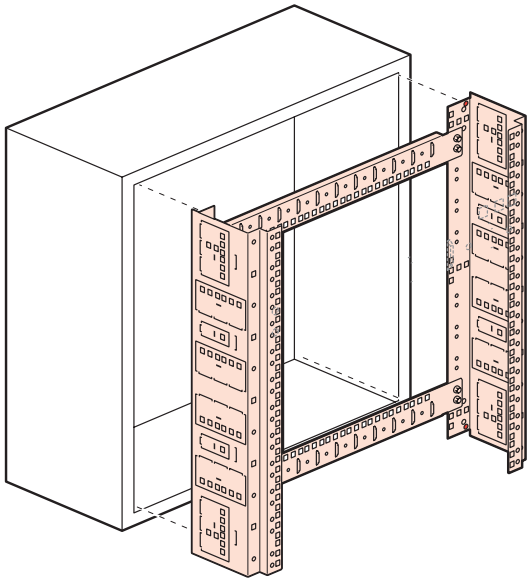
Cat. No. 0 477 23 symmetrical ⌐¬ 15 mm deep with oblongs.

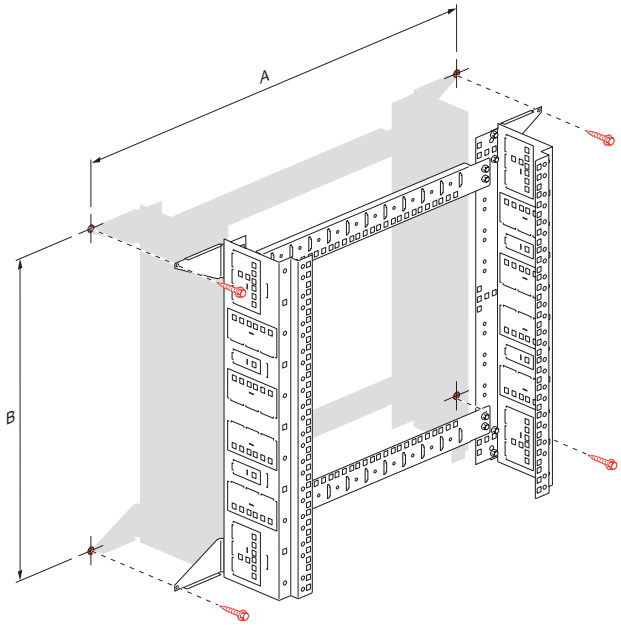


Enclosure dimensions (mm)		Upright height	Rail length	Chassis fixing	
Height	Width	A	D	B	C
400	**300**	337	243	325	225
600	**400**	537	343	525	325
800	**600**	737	543	725	525
1000	**800**	937	743	925	725

■ 11.5 VDI chassis

For integrating 19" VDI equipment in stainless steel Atlantic cabinets 800 mm wide and 300 mm deep.
For 400 mm wide cabinets, the chassis can be used to integrate VDI equipment in the XL VDI mini-cabinet.
Can be fixed directly to the wall to create a wall-mounted chassis (without cabinet).

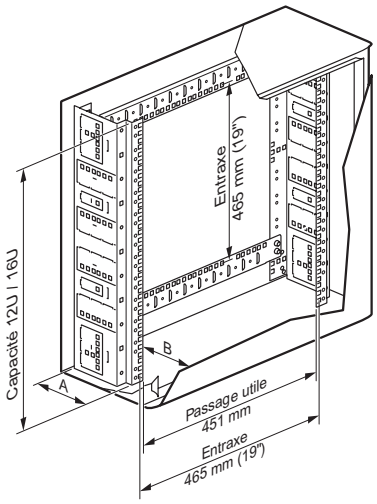




Cat. No.	A (mm)	B (mm)
0 462 28	725	525
0 462 29	725	725

11. EQUIPMENT (continued)

■ 11.5 VDI chassis (continued)



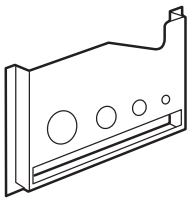
Atlantic cabinets					
Chassis Cat. Nos.	Capacity	Cat. Nos.	Dimensions	Usable dimensions under door	
				A (mm)	B (mm)
0 462 28	12 U	0 352 36	600 x 400 x 250	145	70(1)
0 462 29	16 U	0 352 38	800 x 600 x 300	145	120(2)

1: opposite the hinges: 20 mm
2: opposite the hinges: 70 mm

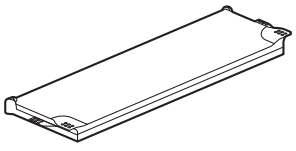
12. ACCESSORIES

■ 12.1 Self-adhesive plastic document holders

- **Cat. No. 0 365 80**, 340 x 235 mm (Internal dimensions: 310 x 200 x 18 mm) and Cat. No. 365 81, 260 x 165 mm (Internal dimensions: 230 x 130 x 18 mm). Open - RAL 7035.



- **Cat. No. 0 365 82**, 325 x 120 mm (Internal dimensions: 324 x 120 x 18 mm) Closed IP 50. RAL 9002.
  Holds around fifteen A4 sheets folded in half.

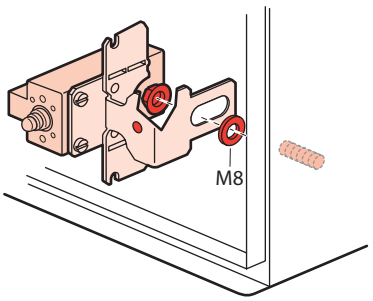


- **Cat. No. 0 097 99**, 305 x 220 mm (A4 format)
  Clear soft plastic.

12. ACCESSORIES (continued)

■ 12.2 Door contact

Cat. No. 0 363 13
3 A - 250 V
1 NC contact - 1 NO contact
Used, for example, to switch off the air conditioning and supply power to the light as soon as the cabinet door is opened.
Supplied with fixing lugs.



■ 12.3 Lighting kit

Cat. No. 0 363 12
Supplied with 8 W fluorescent tube - Ø 16 mm - 230 V - 50 Hz
Class I - IP 20
Interference suppression in accordance with EN 50015
Equipped with a switch
Connection via bar
Dimensions: 350 x 61 37 mm

■ 12.4 Terminal block support

Cat. No. 367 36
Set of two support brackets for copper bar or rail for terminal block.