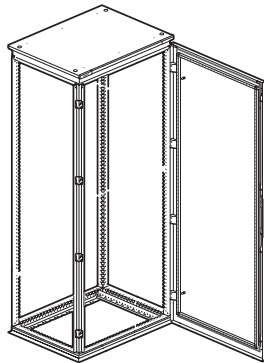


Altis extendable enclosures

Cat. Nos.: 0 472 00 to 13 - 0 472 20 to 34 - 0 472 40/41
 0 472 44 to 57 - 0 472 80 to 83 - 0 472 85 to 87
 0 473 62/63 - 0 473 91/92



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1. GENERAL CHARACTERISTICS

Metal extendable enclosures

RAL 7035

IP55 - IK10

Heights (mm) : 1200/1600/1800/2000

Widths (mm) : 400/600/800/1000/1200

Depths (mm) : 400/500/600/800

Note : Gland plates, blanking plates, side panels, lifting rings and brackets are to be ordered separately

■ 1.1 Structure

- Steel structure with 4 vertical upright sections set into 2 welded subassembly frames forming the top and bottom of the enclosure.
- Sections and frames have identical support and fixing faces perforated at a pitch of 25 mm.
- Equipment is fixed using clip nuts with pins.
- The base has built-in slides that make it easier to fit plain plates.
- Enclosures with width 1200 or 1600 require two sets of open-work plates with width 600 or 800 respectively.
- Removable rear panels in 13/10 sheet steel.

■ 1.2 Door

- One or two doors depending on the model :
 - Width ≤ 800 = 1 door
 - Width = 1000 = 1 or 2 doors
 - Width ≥ 1200 = 2 doors
- Optional glazed door.
- Door made of sheet steel with a high yield strength of 20/10 reinforced with a screwed strand holder frame.
- Reversible door; no need to dismantle the connecting rod.
- 180° opening on request.

■ 1.3 Closing

- 4-point closing, double-bar lock housing.
- No central upright for closing of double doors (left-hand door locked down by a 2-point central handle)
- On option, can be fitted with different types (key barrels, lock housings, CNOMO, etc.).

■ 1.4 Finish

- Textured polyester.
- Conform with enclosure standard NF EN 62208.
- Thermosetting polyester coating applied by electrostatic deposition.
- RAL 7035 (other RAL on request).
- Thickness 60 µm.
- Paintwork can be touched up using either paint aerosols, or touch-up brushes.

2. RANGE

■ 2.1 Extendable enclosures

Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Number of doors
0 472 00	1200	600	400	59,0	1
0 472 01	1200	800		69,0	1
0 472 02	1800	400		56,0	1
0 472 03	1800	600		71,0	1
0 472 04	1800	800		84,0	1
0 472 05	1800	1000 ⁽¹⁾		97,0	1
0 472 06	1800	1000		101,0	2
0 472 07	1800	1200		124,0	2
0 472 08	2000	400		66,0	1
0 472 09	2000	600		89,0	1
0 472 10	2000	800		88,0	1
0 472 11	2000	1000 ⁽¹⁾		103,7	1
0 472 12	2000	1000		108,5	2
0 472 13	2000	1200	135,2	2	
0 472 20	1600	600	500	70,4	1
0 472 21	1600	800		81,0	1
0 472 22	1600	1200		124,5	2
0 472 23	1800	400		55,0	1
0 472 24	1800	600		74,3	1
0 472 25	1800	800		86,0	1
0 472 26	1800	1000 ⁽¹⁾		99,3	1
0 472 27	1800	1200		131,4	2
0 472 28	2000	400		57,5	1
0 472 29	2000	600		79,2	1
0 472 30	2000	800		92,7	1
0 472 31	2000	1000 ⁽¹⁾		106,0	1
0 472 32	2000	1000		110,7	2
0 472 33	2000	1200		138,0	2
0 472 34	2000	1600	147,0	2	

⁽¹⁾ Supplied with door recentring wheel

2. RANGE (cont'd)

2.1 Extendable enclosures (cont'd)

Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Number of doors
0 472 40	1200	600	600	67,6	1
0 472 41	1200	800		78,4	1
0 472 44	1600	600		75,4	1
0 472 45	1600	800		88,2	1
0 472 46	1800	400		57,0	1
0 472 47	1800	600		79,3	1
0 472 48	1800	800		93,1	1
0 472 49	1800	1000 ⁽¹⁾		106,4	1
0 472 50	1800	1200		137,4	2
0 472 51	2000	400		60,1	1
0 472 52	2000	600		83,19	1
0 472 53	2000	800		98,0	1
0 472 54	2000	1000 ⁽¹⁾		112,3	1
0 472 55	2000	1000		117,0	2
0 472 56	2000	1200		144,3	2
0 472 57	2000	1600		150,5	2
0 472 80	2000	400		800	63,2
0 472 81	2000	600	86,7		1
0 472 82	2000	800	102,2		1
0 472 83	2000	1000 ⁽¹⁾	116,8		1
0 472 85	2200	600	90,6		1
0 472 86	2200	800	107,1		1
0 472 87	2200	1200	157,3		2

⁽¹⁾ Livrée avec roulette de recentrage de porte

2.2 Extendable enclosures with glazed door

Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
0 473 62	2000	600	600	91,7
0 473 63	2000	800		110,4
0 473 91	2000	600	800	95,2
0 473 92	2000	800		114,6

2.3 Set of 2 side panels

Cat. Nos.	For enclosures (mm)	
	Height	Depth
0 472 61	1200	400
0 472 62	1800	400
0 472 63	2000	400
0 472 65	1600	500
0 472 66	1800	500
0 472 67	2000	500
0 472 68	1200	600
0 472 70	1600	600
0 472 71	1800	600
0 472 72	2000	600
0 472 75	2000	800
0 472 76	2200	800

3. TECHNICAL CHARACTERISTICS

3.1 Protection index

- IP 55 to IEC EN 60529: protected against dust (no harmful deposit ; also protected against water streams with hose from all directions).
- Compliant with enclosure standard NF EN 62208.
- LCIE report No. 74367-562119.
- Nema 12 to standard UL50.
- IK10 to IEC EN 62262; protected against mechanical impacts of up to 20 joules.
- Class 1.

3.2 Mechanical strength

- Max. load : 1000 kg/m³
- With a maximum value of 1500 kg per cabinet assembly module. This value is linked to the hoisting equipment (load distributed over 3 rings with SWL 500 kg each).
- Max. load on door and panel : 80 kg (5 kg/0.1 m height, with a max. of 80 kg).

- Paintwork :
- Adhesion (grid-marking) to ISO 2409
 - Flexing on a cylindrical mandrel - ISO 1519
 - Ericson drawing - ISO 1520
 - Impact resistance 1 kg 50 cm to ISO 6272-1.

3.3 Resistance to climatic conditions

- Use temperatures: -25° C to +70° C (+100° C at peak)
- Resistance to artificial light from a laboratory light source : xenon arc lamp according to ISO 4892-2 method A.
- No loss of adhesion during class O grid-marking tests according to ISO 2409 after a 500-hr exposure period.
- No performance loss during flexural strength tests according to ISO 178 or during Charpy impact strength tests according to ISO 179 after a 500-hr exposure period.

3.4 Corrosion resistance

- Corrosion resistance in artificial atmospheres:
 - Salt spray test: NSS (neutral salt spray) test according to NF EN ISO 9227. Rust grade below Ri1 according to ISO 4628-3 and propagation < 6 mm according to ISO 4628-8 after a 500-hr exposure period.
- Corrosion resistance in industrial atmospheres :
 - Sulphur dioxide test with general moisture condensation according to ISO 6988.
 - Rust grade below Ri according to ISO 4628-3, standard cliché class 9 Annex A ISO 10289 after a 500-hr exposure period.

3.5 Fire behaviour

- Glow wire 960°C to IEC 60695-2-11
- HCV < 2.1 MJ/m² according to NF P92 - 510.

3.6 Nuclear decontamination

- According to NFT 30901.
- Colour: RAL 7035, susceptibility 22.2%, decontamination percentage 83.8%.
- Operating mode MO 9342007 in accordance with NFT 30 standard.

3. TECHNICAL CHARACTERISTICS (cont'd)

■ 3.7 Resistance to chemical agents

Thermosetting polyester.
Electrostatic deposition.
Coating thickness 80 µm.

Aqueous solutions	Cold water	++	
	Hot water	+	
	Vapour	-	
	Salt water 5%	+	
	Hydrogen peroxide	-	
	Water - washing powder/liquid detergent	+	
	Water + surface active agents	+	
	Formaldehyde	-	
Alcohols	Ethanol	+	
	Methanol	+	
	Propanol	+	
	Butanol	+	
Glycols	Ethylene glycol	+	
Phenols		-	
Cresols		-	
Bases	Ammonia	+	
	Sodium hydroxide (soda)	+	
	Sodium hypochlorite (bleach 12°)	+	
	Potassium hydroxide (potash)	+	
Strong oxidizing acids	Concentrate acetic acid	+	
	Nitric acid 5 %	+	
	Sulphuric acid 30 %	+	
	Hydrochloric acid 30 %	+	
	Perchloric acid 70 %	++	
	Hydrofluoric acid 70 %	--	
	Chromic acid 50 %	-	
	Phosphoric acid 30 %	+	
Weak acids	Diluted acetic acid < 25 %	+	
	Citric acid	++	
	Lactic acid	++	
	Formic acid	+	
	Uric acid	+	
Oils and greases	Animal origin	Lard	++
		Butter, cream	++
	Mineral origin	Linseed oil	++
		Peanut/Olive oil	++
		Castor oil	++
		Glycerin	+
	D'origine minérale	Paraffin (Vaseline)	++
		Car engine oil	+
		Silicon oils	++
		Cutting oils	++
Hydraulic oils		+	

3. TECHNICAL CHARACTERISTICS (cont'd)

■ 3.7 Resistance to chemical agents (cont'd)

Hydrocarbons	Lead-free petrol	+
	Gas-oil	++
	Kerosene	++
	White-spirit	++
Chlorinated solvents	Trichloroethylene	--
	Trichloroethane	-
	Perchloroethylene	--
	Methylene chloride	--
	Carbon tetrachloride	--
	Chloroform	-
Aromatic solvents	Benzene	+
	Toluene	-
	Xylene	+
Aliphatic solvents	Hexane	++
	Heptane	++
Fluorinated solvents	Trichlorofluoromethane	--
Ketones	Acetone	-
	Methyl ethyl ketone	-
	Ethylacetate	
Terpenes	Turpentine	

++ : Excellent resistance (permanent exposure)
+ : Satisfactory resistance (long-term exposure)
- : Limited resistance (possibility of brief exposure)
-- : Low resistance (exposure should be avoided)

■ 3.8 Resistance to professional detergent and disinfectant preparations

Surface-active ethyl liquid preparation	++
Surface-active low alkaline liquid preparation	++
Strong alkaline disinfectant liquid preparation	--
Surface-active alkaline preparation, amphoteric antibacterial surfactant	+
Surface-active phosphoric acid disinfectant preparation	++
Concentrated alkaline liquid preparation, strong ionic surfactant detergent	-
Concentrated alkaline liquid preparation, EDTA complexing agent	-

4. HEAT DISSIPATION CAPACITY

Determined by 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 stand 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.

4. HEAT DISSIPATION CAPACITY (cont'd)

Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Delta T (K)	Max. power that can be dissipated (W)	Configuration
0 472 00	1200	600	400	30	397	C1
					333	C2
0 472 01	1200	800		30	484	C1
					397	C2
0 472 02	1800	400		30	449	C1
					384	C2
0 472 03	1800	600		30	570	C1
					473	C2
0 472 04	1800	800		30	691	C1
					562	C2
0 472 05	1800	1000		30	812	C1
					650	C2
0 472 06	1800	1000		30	812	C1
					650	C2
0 472 07	1800	1200		30	933	C1
					739	C2
0 472 08	2000	400		30	495	C1
					423	C2
0 472 09	2000	600		30	628	C1
					520	C2
0 472 10	2000	800		30	760	C1
					616	C2
0 472 11	2000	1000		30	893	C1
					713	C2
0 472 12	2000	1000	30	893	C1	
				713	C2	
0 472 13	2000	1200	30	1025	C1	
				809	C2	
0 472 20	1600	600	500	30	572	C1
					485	C2
0 472 21	1600	800		30	685	C1
					570	C2
0 472 22	1600	1200		30	913	C1
					740	C2
0 472 23	1800	400		30	510	C1
					445	C2
0 472 24	1800	600		30	635	C1
					538	C2
0 472 25	1800	800		30	760	C1
					631	C2
0 472 26	1800	1000		30	886	C1
					724	C2
0 472 27	1800	1200		30	1011	C1
					816	C2
0 472 28	2000	400		30	562	C1
					490	C2
0 472 29	2000	600		30	698	C1
					590	C2
0 472 30	2000	800		30	835	C1
					691	C2
0 472 31	2000	1000		30	972	C1
					792	C2
0 472 32	2000	1000	30	972	C1	
				792	C2	
0 472 33	2000	1200	30	1109	C1	
				893	C2	
0 472 34	2000	1600	30	1382	C1	
				1094	C2	

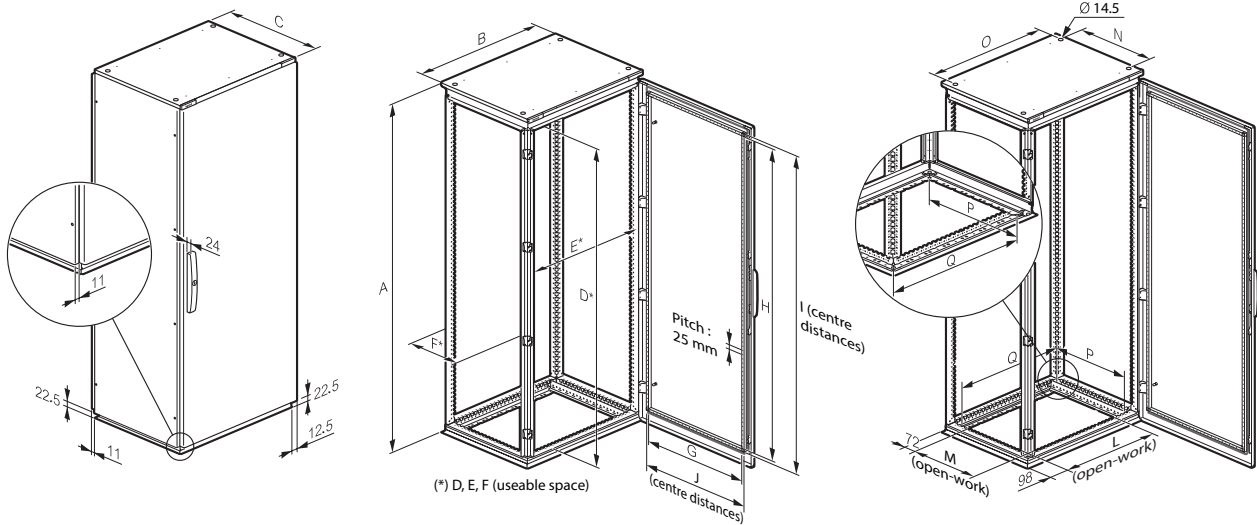
Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Delta T (K)	Max. power that can be dissipated (W)	Configuration
0 472 40	1200	600	600	30	492	C1
					428	C2
0 472 41	1200	800		30	588	C1
					501	C2
0 472 44	1600	600		30	631	C1
					544	C2
0 472 45	1600	800		30	749	C1
					634	C2
0 472 46	1800	400		30	570	C1
					505	C2
0 472 47	1800	600		30	700	C1
					603	C2
0 472 48	1800	800		30	829	C1
					700	C2
0 472 49	1800	1000		30	959	C1
					797	C2
0 472 50	1800	1200		30	1089	C1
					894	C2
0 472 51	2000	400		30	628	C1
					556	C2
0 472 52	2000	600		30	769	C1
					661	C2
0 472 53	2000	800		30	910	C1
					766	C2
0 472 54	2000	1000	30	1051	C1	
				871	C2	
0 472 55	2000	1000	30	1051	C1	
				871	C2	
0 472 56	2000	1200	30	1192	C1	
				976	C2	
0 472 57	2000	1600	30	1475	C1	
				1187	C2	
0 472 80	2000	400	800	30	760	C1
					688	C2
0 472 81	2000	600		30	910	C1
					802	C2
0 472 82	2000	800		30	1060	C1
					916	C2
0 472 83	2000	1000		30	1210	C1
					1030	C2
0 472 85	2200	600		30	685	C1
					567	C2
0 472 86	2200	800		30	1152	C1
					994	C2
0 472 87	2200	1200		30	1475	C1
					1237	C2

■ 4.1 Extendable enclosures with glazed door

Cat. No.	Height (mm)	Width (mm)	Depth (mm)	Delta T (K)	Max. power that can be dissipated (W)	Configuration
0 473 62	2000	600	600	30	769	C1
					661	C2
0 473 63	2000	800		30	910	C1
					766	C2
0 473 91	2000	600	800	30	910	C1
					802	C2
0 473 92	2000	800		30	1060	C1
					916	C2

5. DIMENSIONS (mm)

5.1 Dimensions of the main components



Cat. Nos.	D, E, F (useable space)	A	B ⁽¹⁾	C ⁽²⁾	D	E	F	G	H	I	J	L	M	N	O	P	Q
0 472 00	1200 x 600 x 400	1225	599	413	1107	508	308	460	1060	1075	475	403	255	275	536	278	478
0 472 01	1200 x 800 x 400	1225	799	413	1107	708	308	660	1060	1075	675	603	255	275	736	278	678
0 472 02	1800 x 400 x 400	1825	399	413	1707	308	308	260	1660	1675	275	203	255	275	336	278	278
0 472 03	1800 x 600 x 400	1825	599	413	1707	508	308	460	1660	1675	475	403	255	275	536	278	478
0 472 04	1800 x 800 x 400	1825	799	413	1707	708	308	660	1660	1675	675	603	255	275	736	278	678
0 472 05	1800 x 1000 x 400	1825	999	413	1707	908	308	860	1660	1675	875	803	255	275	936	278	878
0 472 06	1800 x 1200 x 400	1825	1199	413	1707	1108	308	1060	1660	1675	1075	1003	255	275	1136	278	1078
0 472 07	2000 x 400 x 400	2025	399	413	1907	308	308	260	1860	1875	275	203	255	275	336	278	278
0 472 08	2000 x 600 x 400	2025	599	413	1907	508	308	460	1860	1875	475	403	255	275	536	278	478
0 472 09	2000 x 800 x 400	2025	799	413	1907	708	308	660	1860	1875	675	603	255	275	736	278	678
0 472 10	2000 x 1000 x 400	2025	999	413	1907	908	308	860	1860	1875	875	803	255	275	936	278	878
0 472 11	2000 x 1200 x 400	2025	1199	413	1907	1108	308	1060	1860	1875	1075	1003	255	275	1136	278	1078
0 472 12	2000 x 400 x 500	2025	399	513	1507	308	308	260	1860	1875	275	203	355	375	336	378	278
0 472 13	2000 x 600 x 500	2025	599	513	1507	508	308	460	1860	1875	475	403	355	375	536	378	478
0 472 14	2000 x 800 x 500	2025	799	513	1507	708	308	660	1860	1875	675	603	355	375	736	378	678
0 472 15	2000 x 1000 x 500	2025	999	513	1507	908	308	860	1860	1875	875	803	355	375	936	378	878
0 472 16	2000 x 1200 x 500	2025	1199	513	1507	1108	308	1060	1860	1875	1075	1003	355	375	1136	378	1078
0 472 17	1800 x 400 x 500	1825	399	513	1707	308	308	260	1660	1675	275	203	355	375	336	378	278
0 472 18	1800 x 600 x 500	1825	599	513	1707	508	308	460	1660	1675	475	403	355	375	536	378	478
0 472 19	1800 x 800 x 500	1825	799	513	1707	708	308	660	1660	1675	675	603	355	375	736	378	678
0 472 20	1800 x 1000 x 500	1825	999	513	1707	908	308	860	1660	1675	875	803	355	375	936	378	878
0 472 21	1800 x 1200 x 500	1825	1199	513	1707	1108	308	1060	1660	1675	1075	1003	355	375	1136	378	1078
0 472 22	2000 x 400 x 600	2025	399	613	1107	308	308	260	1860	1875	275	203	455	475	336	478	278
0 472 23	2000 x 600 x 600	2025	599	613	1107	508	308	460	1860	1875	475	403	455	475	536	478	478
0 472 24	2000 x 800 x 600	2025	799	613	1107	708	308	660	1860	1875	675	603	455	475	736	478	678
0 472 25	2000 x 1000 x 600	2025	999	613	1107	908	308	860	1860	1875	875	803	455	475	936	478	878
0 472 26	2000 x 1200 x 600	2025	1199	613	1107	1108	308	1060	1860	1875	1075	1003	455	475	1136	478	1078
0 472 27	1800 x 400 x 600	1825	399	613	1707	308	308	260	1660	1675	275	203	455	475	336	478	278
0 472 28	1800 x 600 x 600	1825	599	613	1707	508	308	460	1660	1675	475	403	455	475	536	478	478
0 472 29	1800 x 800 x 600	1825	799	613	1707	708	308	660	1660	1675	675	603	455	475	736	478	678
0 472 30	1800 x 1000 x 600	1825	999	613	1707	908	308	860	1660	1675	875	803	455	475	936	478	878
0 472 31	1800 x 1200 x 600	1825	1199	613	1707	1108	308	1060	1660	1675	1075	1003	455	475	1136	478	1078
0 472 32	2000 x 400 x 600	2025	399	613	1907	308	308	260	1860	1875	275	203	455	475	336	478	278
0 472 33	2000 x 600 x 600	2025	599	613	1907	508	308	460	1860	1875	475	403	455	475	536	478	478
0 472 34	2000 x 800 x 600	2025	799	613	1907	708	308	660	1860	1875	675	603	455	475	736	478	678
0 472 35	2000 x 1000 x 600	2025	999	613	1907	908	308	860	1860	1875	875	803	455	475	936	478	878
0 472 36	2000 x 1200 x 600	2025	1199	613	1907	1108	308	1060	1860	1875	1075	1003	455	475	1136	478	1078
0 472 37	2000 x 400 x 800	2025	399	813	1907	308	308	260	2060	2075	275	203	655	675	336	678	278
0 472 38	2000 x 600 x 800	2025	599	813	1907	508	308	460	2060	2075	475	403	655	675	536	678	478
0 472 39	2000 x 800 x 800	2025	799	813	1907	708	308	660	2060	2075	675	603	655	675	736	678	678
0 472 40	2000 x 1000 x 800	2025	999	813	1907	908	308	860	2060	2075	875	803	655	675	936	678	878
0 472 41	2000 x 1200 x 800	2025	1199	813	1907	1108	308	1060	2060	2075	1075	1003	655	675	1136	678	1078
0 472 42	2200 x 600 x 800	2225	599	813	2107	308	308	260	2060	2075	275	203	655	675	336	678	278
0 472 43	2200 x 800 x 800	2225	799	813	2107	508	308	460	2060	2075	475	403	655	675	536	678	478
0 472 44	2200 x 1000 x 800	2225	999	813	2107	708	308	660	2060	2075	675	603	655	675	736	678	678
0 472 45	2200 x 1200 x 800	2225	1199	813	2107	1108	308	1060	2060	2075	1075	1003	655	675	1136	678	1078

⁽¹⁾ Excluding side panels (+ 16 mm)

⁽²⁾ Overall dimensions (door and rear panel)

5. DIMENSIONS (mm) (cont'd)

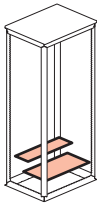
■ 5.2 Dimensions of the window in the glazed doors

Tinted, tempered glass ; window placed centrally.

Enclosures	Window	
	Cat. Nos.	Height
0 473 62	1775	375
0 473 63	1775	575
0 473 91	1775	375
0 473 92	1775	575

6. EQUIPEMENT

■ 6.1 Gland plates and blanking plates



Depth Width	400	500	600	800
400				
600				
800	 Plaque passe-câble	 Gland plates + blanking plate		 Gland plates + 1 set of 2 blanking plates

Enclosures with width 1200 or 1600 require two sets with width 600 or 800 respectively.

Plates with brush IP43

(comprising 2 plates with brush seal).

Cat. Nos.	For enclosures (width mm)	For enclosures (depth mm)
0 481 50 ⁽¹⁾	400	≥ 400
0 481 52 ⁽¹⁾	600	
0 481 54 ⁽¹⁾	800	
0 481 56 ⁽¹⁾	1000	

⁽¹⁾ Blanking plate to be ordered separately

6. EQUIPEMENT (cont'd)

■ 6.1 Gland plates and blanking plates (cont'd)

Plates with foam seals IP43

Comprising two plates with foam seals 25 x 30 mm.

Cat. Nos.	For enclosures (width mm)	For enclosures (depth mm)
0 481 60 ⁽¹⁾	400	≥ 400
0 481 62 ⁽¹⁾	600	
0 481 64 ⁽¹⁾	800	
0 481 66 ⁽¹⁾	1000	

Plates for cable gland IP55

Cat. Nos.	For enclosures (width mm)	For enclosures (depth mm)
0 481 68	600	300
0 481 78	800	
0 481 88	1000	
0 481 80 ⁽¹⁾	400	≥ 400
0 481 81 ⁽¹⁾	600	
0 481 82 ⁽¹⁾	800	
0 481 83 ⁽¹⁾	1000	

Cabstop plates IP55

Cable entries comprising a cable clamping jaw that ensures mechanical clamping and elastomer seals that ensure leaktightness.

Références	Pour armoires (largeur mm)	Pour armoires (profondeur mm)
0 481 70 ⁽¹⁾	400	≥ 400
0 481 72 ⁽¹⁾	600	
0 481 74 ⁽¹⁾	800	
0 481 76 ⁽¹⁾	1000	

Blanking plates

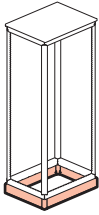
To be ordered separately; supplements gland plates.

Cat. Nos.	For enclosures		Number of plates making up the assembly
	Width (mm)	Depth (mm)	
0 481 57	400	500	1
0 481 58	400	600	1
0 481 59	400	800	2
0 481 67	600	500	1
0 481 68	600	600	1
0 481 69	600	800	2
0 481 77	800	500	1
0 481 78	800	600	1
0 481 79	800	800	2
0 481 87	1000	500	1
0 481 88	1000	600	1
0 481 89	1000	800	2

6. EQUIPEMENT (cont'd)

■ 6.2 Bases and accessories

- Kit containing bases and set of trap doors



RAL 7012
 Opening on 4 sides.
 Kit comprises 4 corner studs and plain front/rear trap doors.
 To be used with plain trap door sets - side / ventilated / brush.

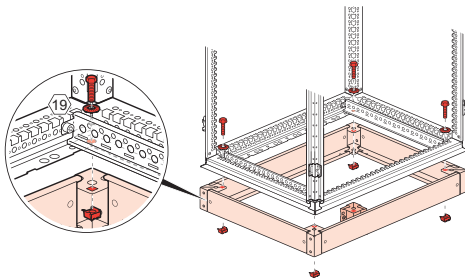
Height 100	Height 200	For enclosures Width (mm)
0 476 55	0 476 65	400
0 476 56	0 476 66	600
0 476 57	0 476 67	800
0 476 58	0 476 68	1000
0 476 59	0 476 69	1200
0 476 60	0 476 70	1600

Set of side plain trap doors (height 100)

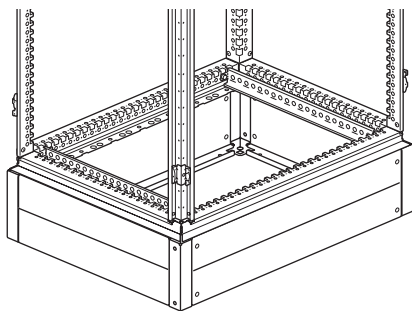
Bases Height 100	Bases Height 200	For enclosures Depth (mm)
0 476 76	0 476 86	400
0 476 77	0 476 87	500
0 476 78	0 476 88	600
0 476 79	0 476 89	800

Note : Make-up : - 2 plain trap doors for base with height 100
 - 4 plain trap doors for bases with height 200

Fixing example with set of plain trap doors



Height 100 mm



Height 200 mm

6. EQUIPEMENT (cont'd)

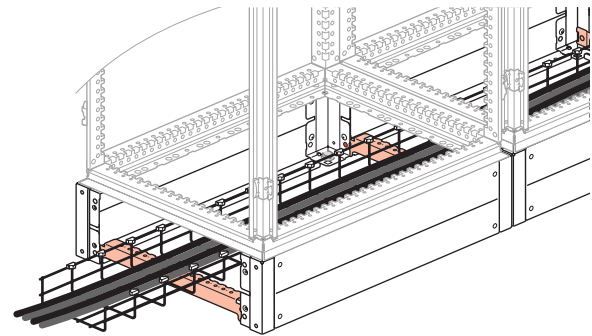
■ 6.2 Bases and accessories (cont'd)

Brush trap doors (height 100)

	For Altis enclosures Width / Depth (mm)
0 476 72	500
0 476 73	600
0 476 74	800

- Connecting crosspiece Cat. Nos 0 476 91 to 0 476 94

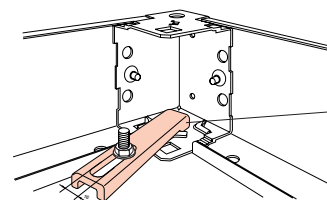
Fixes between two corner studs.
 Used to clamp cables between extended enclosure units.



Cat Nos.	For enclosures Depth (mm)
0 476 91	400
0 476 92	500
0 476 93	600
0 476 94	800

Offset base fixing

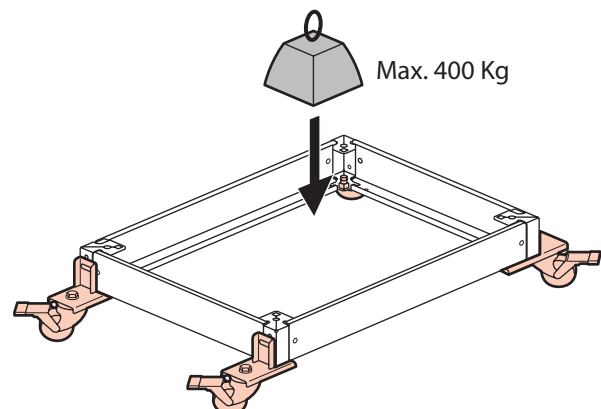
Set of 4 zinc coated clamps



Cat. No. 0 345 49

Casters Cat. No. 0 477 00

Set of 4 handling casters with built-in brake.
 Fixing to base only.
 Supplied with screws.



Max. 400 Kg

6. EQUIPMENT (cont'd)

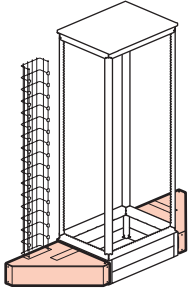
6.3 Connection interface

Protection enabling connection between the base of the enclosure and the cable tray.

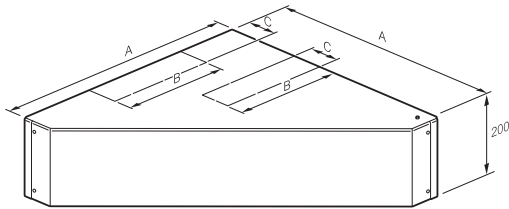
Supplied with brush seal.

Reversible cover with pre-cut-outs.

Height 200 mm



Cat. Nos.	For enclosures (Depth mm)
0 477 04	400
0 477 05	500



For enclosures Depth (mm)	Pre-cut-outs		
	A	B	C
400	395	235	120
500	495	335	120

Used with cable-guide grids for anchoring strands.

Cat. Nos.	Dimensions
0 331 28	1100 x 200 x 50 mm
0 332 34	1400 x 200 x 50 mm
0 331 34	1800 x 200 x 50 mm

6. EQUIPMENT (cont'd)

6.4 Plates

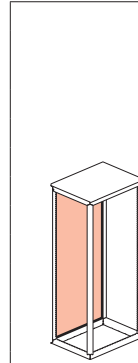
Plain plates

Premarked with pitch 10 mm.

Holes for lifting.

Safe load : 200 kg/m²

Galvanised steel



Cat. Nos.	Height	For enclosures (Width mm)	Weight (kg)
0 476 00	1200	600	14,9
0 476 01	1200	800	19,8
0 476 04	1600	600	19,9
0 476 05	1600	800	25,5
0 476 06	1600	1000	30,9
0 476 07	1600	1200	39,5
0 476 08	1800	400	15,3
0 476 09	1800	600	22
0 476 10	1800	800	29
0 476 11	1800	1000	37
0 476 12	1800	1200	43,9
0 476 13	1800	1600	60,7
0 476 14	2000	400	16,8
0 476 15	2000	600	24,7
0 476 16	2000	800	33,2
0 476 17	2000	1000	40,2
0 476 18	2000	1200	46
0 476 19	2000	1600	57,9

Full width plain plates

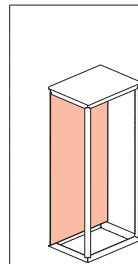
The plate's useable surface area is equal to the width of the enclosure and ensures continuous connection between two extended enclosure plates. Mounted via the front face of the enclosure.

Premarked with pitch 10 mm.

Holes for lifting.

Safe load: 200 kg/m²

Galvanised steel



Cat. Nos.	Height	For enclosures (Width mm)	Weight (kg)
0 475 05	1600	800	29
0 475 06	1600	1000	35,3
0 475 07	1600	1200	31,4
0 475 08	1800	600	25,4
0 475 09	1800	800	34,5
0 475 10	1800	1000	43,1
0 475 11	1800	1200	45,8
0 475 13	2000	600	28,7
0 475 14	2000	800	38,6
0 475 15	2000	1000	42
0 475 16	2000	1200	50,4

6. EQUIPMENT (cont'd)

■ 6.4 Plates (cont'd)

Lina 12.5 plate

Galvanised steel

Holes for placing equipment with no need for plotting.

Automatic squaring:

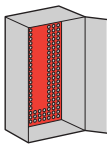
- Ø 6.5 mm for insulating rivets Cat. No. 0 366 44 (trunking)

- Ø 3.3 mm for equipment with screws Cat. No. 0 347 45

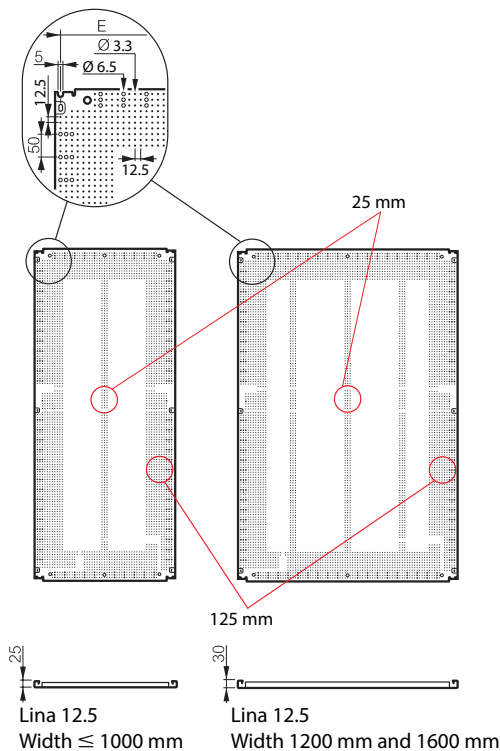
Holes for lifting.

Safe load : 200 kg/m².

Cat. Nos.	Height	For enclosures (Width mm)	Weight (kg)
0 475 25	1600	800	24,1
0 475 26	1600	1000	30,7
0 475 27	1600	1200	36,7
0 475 28	1800	600	20,6
0 475 29	1800	800	27,3
0 475 30	1800	1000	34,3
0 475 31	1800	1200	41,4
0 475 32	1800	1600	59,3
0 475 33	2000	600	22,6
0 475 34	2000	800	30,7
0 475 35	2000	1000	38,3
0 475 36	2000	1200	45,9
0 475 37	2000	1600	66,7



Close-up of perforation dimensions

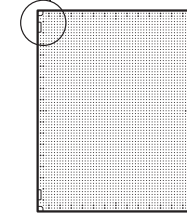
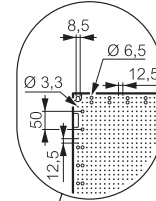


6. EQUIPMENT (cont'd)

■ 6.4 Plates (cont'd)

Lina 12.5 partial plate

Characteristics identical to the Lina 12.5 plate apart from safe load which is 150 kg/m².

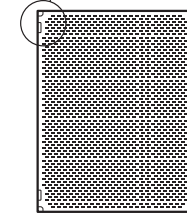
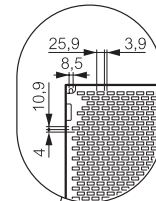


Cat. Nos.	Height	For enclosures (Width mm)	Weight (kg)
0 481 40	800	800	6,9
0 481 41	800	1000	9
0 481 42	800	1200	10,8
0 481 43	1000	800	8,6
0 481 44	1000	1000	11,1
0 481 45	1000	1200	13,5

Lina 25 partial plate

Zinc-coated steel

Safe load : 50 kg/m²



Cat. Nos.	Height	For enclosures (Width mm)	Weight (kg)
0 474 89	800	600	3,9
0 474 90	800	800	5,1
0 474 91	800	1000	6
0 474 92	800	1200	7,2
0 474 93	800	1600	9,4
0 474 94	1000	600	4,6
0 474 95	1000	800	5,8
0 474 96	1000	1000	7
0 474 97	1000	1200	8,6
0 474 98	1000	1600	11,5
0 474 85	1200	600	5,3
0 474 86	1200	800	6,9

Note : For enclosures with height 1200, the partial plate used covers the enclosure to its full height.

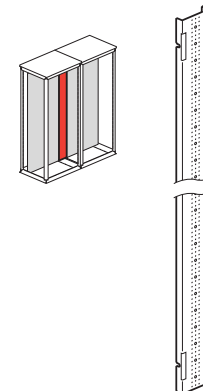
Perforated intermediate plate

For extendable enclosures.

Provides unbroken connection between 2 plain plates or Lina 12.5 plates.

Lina 12.5 perforation.

Galvanised steel.



Cat. Nos.	For enclosures (Height mm)
0 476 49	1200
0 476 51	1600
0 476 52	1800
0 476 53	2000

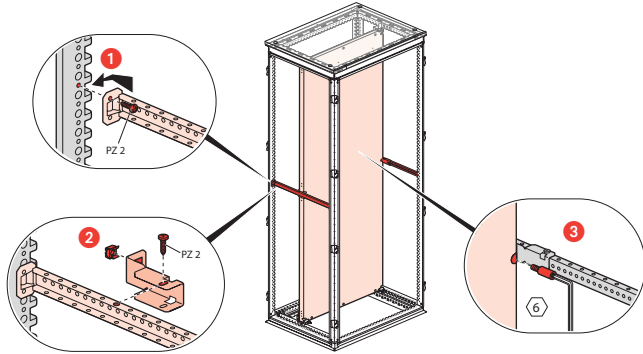
6. EQUIPMENT (cont'd)

Support bracket Cat. No. 0 480 21

Set of 2

Used to add a fixing point half way up plain plates or Lina 12.5 plates in extendable enclosures with width 1600 mm.

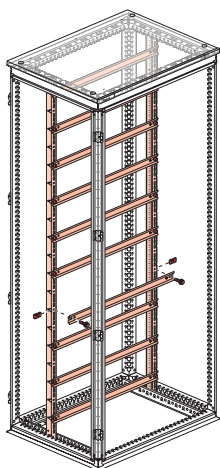
Fixes to the horizontal crosspieces.



Screws

Cat. Nos.	Descriptions	Type of plate
0 347 46	To be used with screwdriver PZ N3 Self-tapping screw CBL Z 5.5 x 16	Plain plates, full width plain plates, interme- diate plates
0 347 47	Self-boring-tapping screw CBL Z 5.5 x 19	
0 366 44	Reinforced plastic rivet Ø 6 mm for hole Ø 6.5 mm	
0 347 45	Screw head H 4.8 mm x 16, self-boring-tap- ping for Ø 3.3 mm	Lina 12.5 plate
0 347 50	Screw cover for insulating screw heads 347 45 inside trunking	
0 364 40	Clip-nuts for M4 screws	Lina 12.5 plate
0 364 41	Clip-nuts for M5 screws	
0 364 42	Clip-nuts for M6 screws	

■ 6.5 Upright sections + rails



Cat. Nos.	Upright sections For Lina 25 rails □ or ▤ or partial plates. Set of 2 galvanized uprights for enclosures Height (mm).
0 475 50	1200
0 475 52	1600
0 475 53	1800
0 475 54	2000
Cat. Nos.	Lina 25 rails for frame Galvanized For enclosures Width (mm)
0 477 24	400
0 477 26	600
0 477 28	800
0 477 30	1000
0 477 32	1200
0 477 36	1600

6. EQUIPMENT (cont'd)

■ 6.6 Perforated crosspieces

Set of 2 - galvanized steel

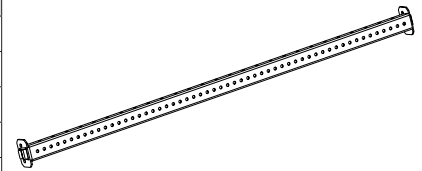
Used to make partial frames in extendable enclosures.

Pre-positioning by attaching prior to final screw fixing.

For multi-purpose crosspieces : perforations for clip-nuts with pitch 25 mm.

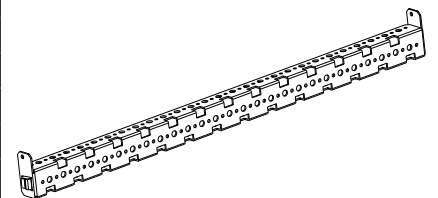
Horizontal crosspieces

Cat. No.	Enclosures w or d (mm)
0 480 14	400
0 480 15	500
0 480 16	600
0 480 17	800
0 480 18	1000



Multi-purpose crosspieces

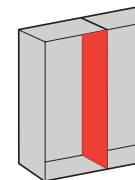
Cat. No.	Enclosures w or d (mm)
0 480 24	400
0 480 25	500
0 480 26	600
0 480 27	800
0 480 28	1000
0 480 29	1200
0 480 31	1600
0 480 32	1800
0 480 33	2000
0 480 34	2200



Screws

Cat. Nos.	Descriptions	Type of crosspiece
0 347 46	To be used with screwdriver PZ N3 Self-tapping screw CBL Z 5.5 x 16	Perforated crosspieces
0 347 47	Self-boring-tapping screw CBL Z 5.5 x 19	
Clip-nuts supplied without screws, and with pins that ensure bonding continuity.		
0 477 12	For M6 screws	Multi-purpose cross- pieces only
0 477 13	For M8 screws	

■ 6.7 Separation and insulation partition

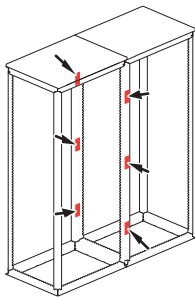


Placed vertically to full height between 2 extendable enclosures except when there are full width plain plates. Supplied with screws and seal. Galvanized steel.

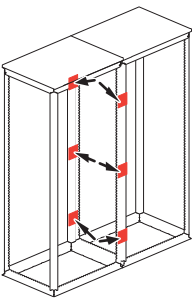
Cat. Nos.	Height	For enclosures Depth (mm)
0 480 35	1800	400
0 480 36	1800	500
0 480 40	2000	400
0 480 41	2000	500
0 480 42	2000	600
0 480 43	2000	800

6. EQUIPMENT (cont'd)

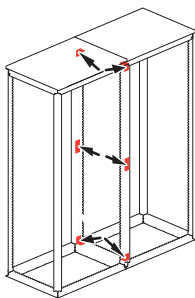
■ 6.8 Enclosure assembly kit



External assembly for a load of 500 kg/m³
Cat. No. 0 476 81
 Tapered pin guaranteeing enclosure alignment
 Set comprising :
 - 12 assembly components
 - 6 supporting rods
 - Seal



Internal assembly for a load of 500 kg/m³
Cat. No. 0 476 82
 Set comprising :
 - 6 linking lugs
 - Seal

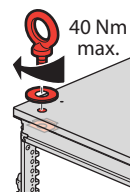


Internal assembly for a load of 1000 kg/m³
Cat. No. 0 476 83
 Set comprising :
 - 4 brackets
 - 2 linking lugs
 - Seal

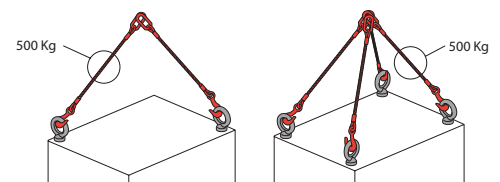
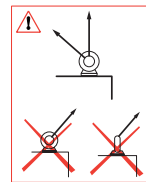
6. EQUIPMENT (cont'd)

■ 6.9 M14 lifting rings

Cat. No. 0 476 96 : Set of 4 rings for a load of 1000 kg/m³.

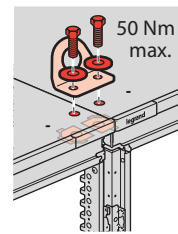


	W (kg)	· (°)	W (kg)
	-	120	750
	490	90	1060
	610	60	1300

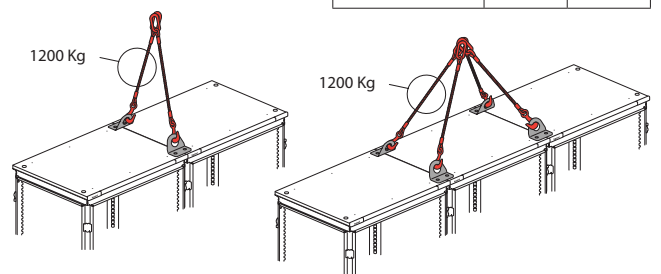
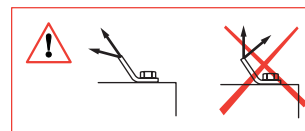


■ 6.10 Lifting corner brackets

Cat. No. 0 476 98 : Cat. No. 476 98: Set of 2 corner brackets for a load of 1000 kg/m³. For balancing the load between 2 enclosures outside lifting.



	Weight (kg)	· (°)
	1700	90
	2000	60
	1800	120
	2500	90
	3200	60



Max. load for Altis enclosures

Lifting mechanisms for Altis enclosures conform with the regulatory requirements set out in European Directive 89/392 (referred to as the machines directive).

Decreets (92/765, 766, 767) arising from the directive's incorporation into French law set out very strict regulations for maximum safety.

Altis enclosures are designed for a maximum load of :

- extendable : 1000 kg/m²
- one-piece : 500 kg/m²

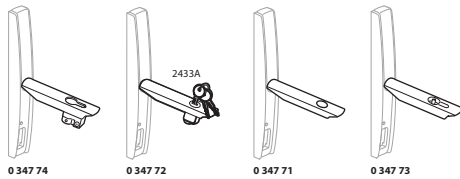
Enclosures must be lifted according to the instructions and in full compliance with safety rules.

Legrand bases are designed to allow enclosures to be wheeled, in compliance with the max. permissible load indicated per m².

7. ACCESSORIES

7.1 Handles and lock

Cat. Nos	Handles
0 347 72	2433 A, fitted with a key barrel
0 347 71	Can be equipped; can take different types of key barrels and lock housings
0 347 73	CNOMO triangle 6.5 mm
0 347 74	Without locking, can take a European DIN half-cylinder (30 + 10 mm)



Cat. Nos	Closing
0 347 75	Closing kit Comprises a base, a double bar mechanism and 2 covers.

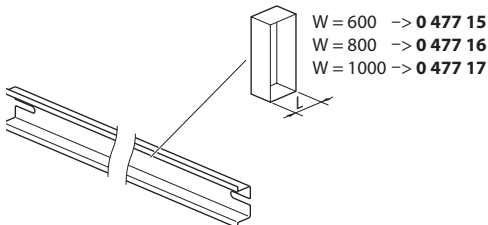


7.2 Door rails / Bracket lugs / Sections for door accessories

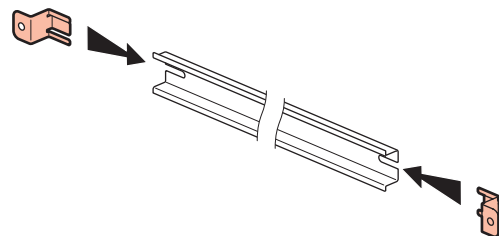
- Door rails

Symmetrical rail (height 15 mm).

To be fixed using bracket lugs Cat. No. 0 477 18 (to be ordered separately) or directly to the sections Cat. No. 0 477 19/20/21.



- Bracket lugs



Cat. No. 0 477 18

Set of 2 universal lugs.

Can be adapted to fit any type of symmetrical rail (height 15 mm).

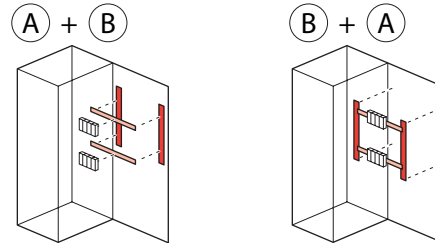
7. ACCESSORIES (cont'd)

Sections for door accessories

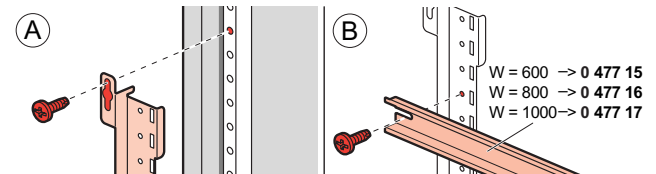
For clamping cables using cable ties or for fixing Lina 25 trunking or rails to doors.

Sections	Length (mm)
0 477 19	490
0 477 20	690
0 477 21	890

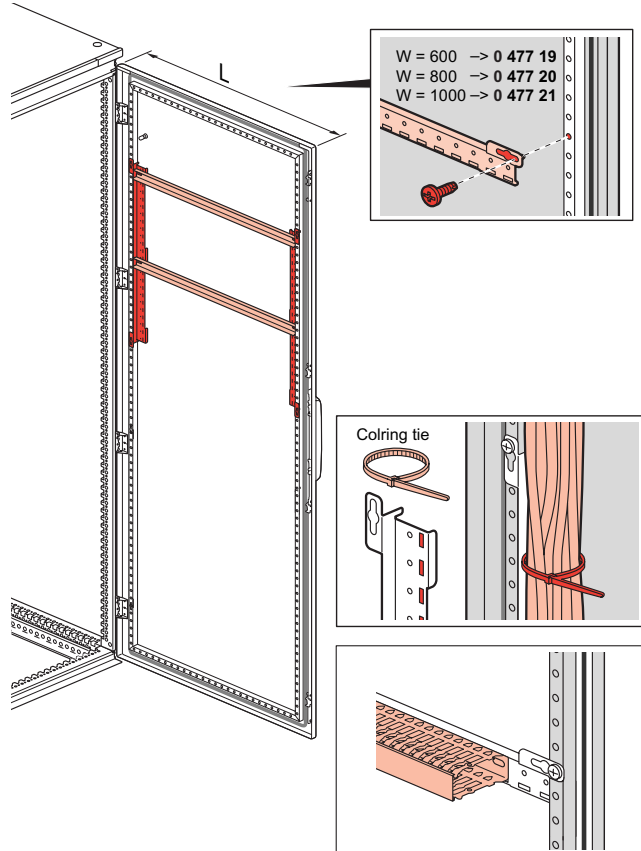
Horizontal or vertical mounting



• Vertical use

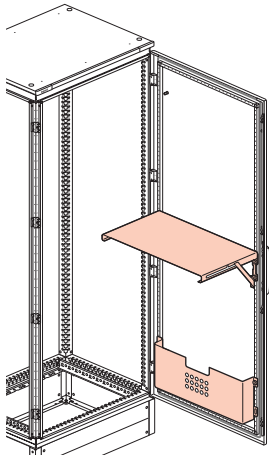


• Horizontal use



7. ACCESSORIES (cont'd)

7.3 Writing shelf / Pocket for storing drawings



Writing shelves
 RAL 7012
 Horizontal or vertical positions

Cat. Nos	For doors (Width mm)
0 477 07	600
0 477 08	800
0 477 09	1000

Metal pocket for storing drawings

RAL 7012
 Fixing on strand-holder
 Takes documents in A3 format

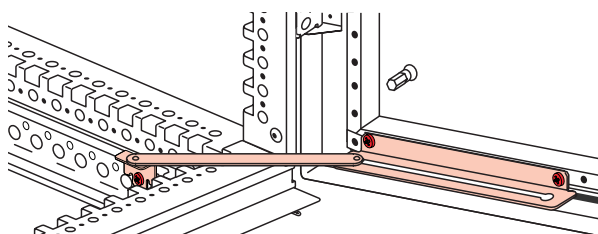
Cat. Nos	For doors (Width mm)	Internal dimensions (mm)		
		Height	Width	Depth
0 476 45	600/800/1000	275	425	50
0 476 46	600		450	100
0 476 47	800		650	100

7.4 Windows for hinged doors

IP 54
 Anodized aluminium frame, opens to 120°
 Polycarbonate window, thickness 3 mm. Neoprene seal
 Lock with key 455
 Supplied with drilling template
 Protects devices, prevents unwanted handling and provides views of front-mounted equipment.

Cat. Nos	External dimensions (mm)			Window dim. (mm)		Useable depth (mm)
	Height	Depth	Width	Height	Depth	
0 475 45	300	400	50	230	330	42
0 475 46	400	400	50	330	330	42
0 475 47	500	500	50	430	430	42
0 475 48	600	400	50	530	330	42
0 475 49	600	600	50	530	530	42

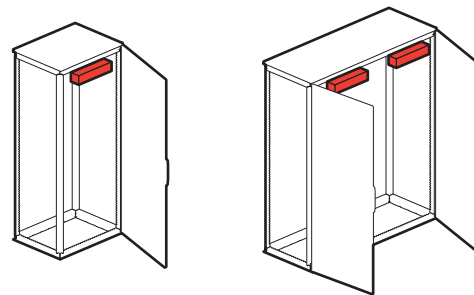
7.5 Doorstop



Cat. No. 0 473 02
 Direct fixing to enclosure frame
 Stops door at the end of its run (115° max.)

7. ACCESSORIES (cont'd)

7.6 Lighting kits

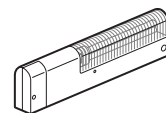


With electronic ballast ensuring a high level of electromagnetic compatibility.

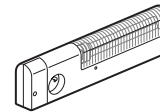
11 W fluorescent, 900 lumens, lamp holder 2 G7 IP20 - IK 06.
 UL 94 V0 material RAL 7012.

- Screw fixing; directly onto the frame of extendable enclosures; for double-doors and central sections, assemble using fixing lugs Cat. No. 0 482 37.

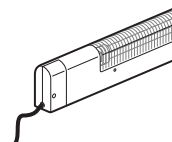
- Magnetic mounting



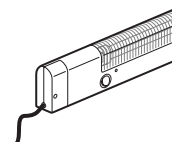
Cat. No 0 482 31
 Lighting without socket, screw mounting.



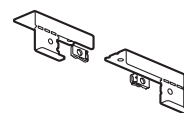
Cat. No 0 482 32
 Lighting with 2P+E socket, screw mounting.



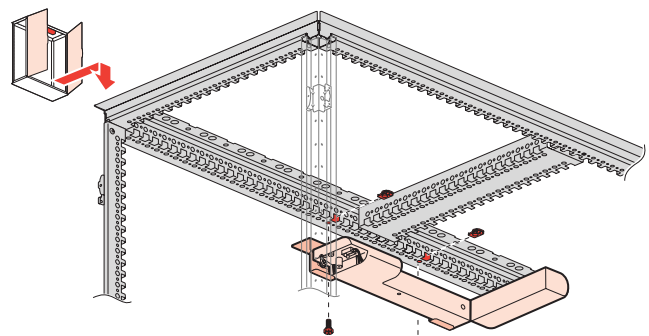
Cat. No 0 482 34
 Lighting without socket, magnetic mounting
 prewired with 3 m power supply cord.



Cat. No 0 482 35
 Lighting without socket, magnetic mounting
 prewired with 3 m power supply cord, with
 presence sensor specially designed for use in
 an electrical enclosure, lighting time 6 mins
 (works without door contact).



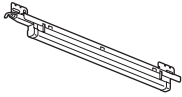
Cat. No 0 482 37
 Set of lighting fixing lugs for mounting
 Cat. Nos. 0 482 31/32/34 and 35 in double door
 enclosures.



7. ACCESSORIES (cont'd)

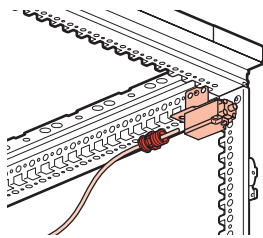
■ 7.7 Compact lighting Cat. No. 0 482 36

12 W, T4G5 fluorescent tube, 750 lumens RAL 7012, mounted directly on the frame of enclosure 1 for 2 doors using Cat. No. 0 482 37



Lighting without socket with switch, prewired with 1.80 m power supply cord

■ 7.8 Door contact

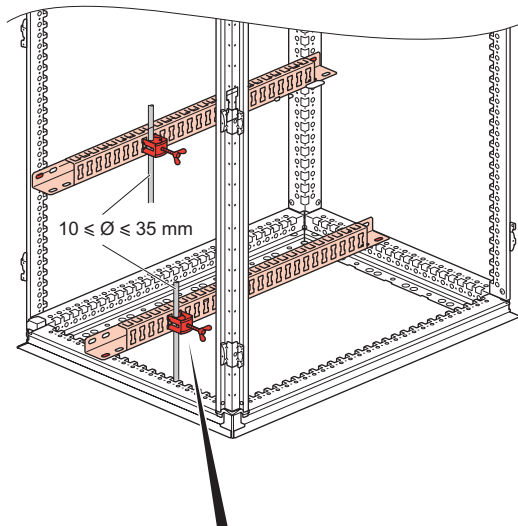


Cat. No. 0 476 28

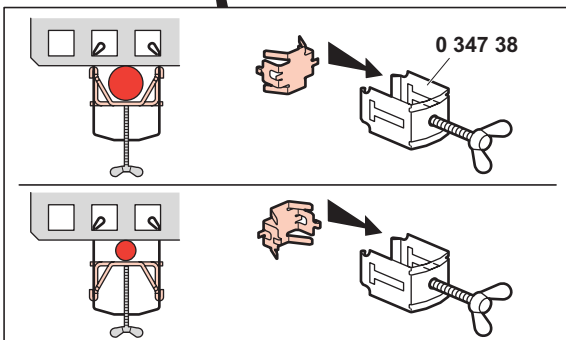
6 A - 250 V
 1 NC contact - 1 NO contact
 For example, can be used to turn the lighting power supply off and on when the door opens.

■ 7.9 Cable clamping sections and stainless steel clamp

Clamping sections	
Cat. Nos	For enclosures Width (mm)
0 472 35	600
0 472 36	800
0 472 37	1000
0 472 38	1200
0 472 39	1600

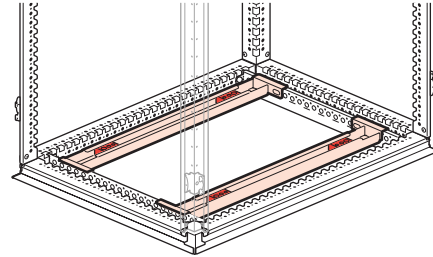


$10 \leq \varnothing \leq 35 \text{ mm}$



7. ACCESSORIES (cont'd)

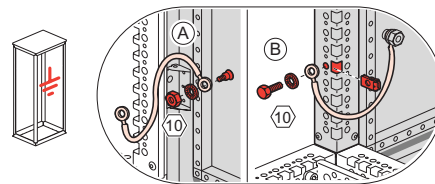
■ 7.10 Set of 2 supports for heavy loads



Fixes directly to the bottom of the enclosure. Adjustable equipment fixture. Supplied with fixing system M6, M8, M10.

Cat. Nos	For enclosures (Width mm)	Max. load (kg)
0 474 75	600	300
0 474 76	800	
0 474 77	1000	

■ 7.11 Protective conductor



For equipotential link between the door and the body of the metal enclosures

Grounding strands	Capacity (mm)	Fixing centre distance = (mm)	Hole Ø (mm)
0 347 95	6	200	8.5
0 347 96	16	200	8.5
0 347 97	30	200	8.5

Green/yellow wire	Capacity (mm)	Fixing centre distance = (mm)	Hole Ø (mm)
0 363 95	6	200	6.5

■ 7.12 Roof spacer

Cat. No. 0 473 73

Roof spacer for natural ventilation
 Height : 13 m
 IP 12B

Lifting not allowed

7. ACCESSORIES (cont'd)

■ 7.13 Paintwork touch-up

Paint aerosols

RAL 7035 Cat. No. 0 365 97

Beige RAL 7032 Cat. No. 0 365 98

Touch-up brush

Rust-proof paint 0 365 91

Protects sheet metal after cutting

RAL 7035

Other colours available on request.

Water-erasable pen

For temporary markings Cat. No. 0 395 99

8. ACCESSORIES 19"

19" uprights

Cat. No. 0 482 20

Set of 2 uprights 42 U
 (9.5 x 9.5 square pre-drilled plate)
 for mounting in 600 or 800 mm
 width enclosures.



19" pivoting frames

RAL 7035, for Altis enclosures with height 1800, 2000 mm
 and width 800 mm

Right/left opening. Opening angle 130°

Adjustable depth

Double bar closing

Supplied with fixing accessories

Cat. Nos	Units	Height (mm)	Load strength (kg)
0 482 03	35	1592	175
0 482 04	40	1792	200

Telescopic shelf, 1U

Cat. No. 0 474 29

Fixes directly onto the frame of an extendable or PC enclosure.

Max load: 50 kg.