128, av. du Maréchal-de-Lattre-de-Tassigny - 87045 LIMOGES Cedex
Tél. : 33(0)5 55 06 87 87
www.legrand.com

Freestanding and modular industrial enclosures XL³ HP 6300

Cat. Nos: see catalogue pages



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1. GENERAL CHARACTERISTICS

The XL³ HP 6300 enclosures are suitable for power distribution and automation equipment
2 versions are available :
- freestanding : delivered assembled with a flat metal door and bottom vent, equipped with cable entry plates. For automation applications.
- modular : to be assembled from a roof-base set, uprights, rear panel, side panels, plinth, and a door. For automation, power distribution, or VDI applications.
IP 55 - IK 10 with excellent resistance to corrosion and chemical agents, suitable for use in industrial or dusty environments.

2. RANGE

2.1 Structure of modular enclosures

- Structural uprights (4 vertical uprights): 2 in RAL 7035 and 2 in galvanized steel, with markings indicating the mounting positions for equipment (markings corresponding to the XLPro4 6300 software) :
heights 1200 mm, 1600 mm, 1800 mm, 2000 mm, or 2200 mm
- Roof-base units in grey RAL 7004, equipped with earth connections and cable entry plates at the bottom :
depth 400 mm, 500 mm, 600 mm, 800 mm, 1000 mm, or 1200 mm
width 400 mm, 600 mm, 800 mm, 1000 mm, 1200 mm, 1600 mm
- Rear and side panels in grey RAL 7035, supplied with 2 retaining clips for easy installation
Can be fitted with a plinth, height 100 mm.

2.2 Structure of freestanding enclosures

Welded frame structure in RAL 7035 with removable rear panel. Can be fitted with a plinth, height 100 mm.

2.3 Door

- Flat metal or glass door
- Reversible door, grey RAL 7035, without dismantling the locking rods (2-point locking system, top and bottom).
Supplied with a simple handle with double-bar insert; interchangeable cylinders to be ordered separately
- 1 or 2 doors depending on the enclosure width

3. DIMENSIONS

3.1 Freestanding enclosures

Cat.Nos	H (mm)	W (mm)	D (mm)	Number of doors	Weight (kg)
3SMA060040160	1600	600	400	1	59,4
3SMA080040160	1600	800		1	70,1
3SMA100040160	1600	1000		1	50,6
3SMA1000401602P	1600	1000		2	86,8
3SMA120040160	1600	1200		2	99,3
3SMA060040180	1800	600		1	65,5
3SMA080040180	1800	800		1	77,3
3SMA100040180	1800	1000		1	89,0
3SMA1000401802P	1800	1000		2	95,6
3SMA120040180	1800	1200		2	109,2
3SMA160040180	1800	1600		2	135,3
3SMA080040200	2000	800		1	84,4
3SMA100040200	2000	1000		1	97,2
3SMA1000402002P	2000	1000		2	104,4
3SMA120040200	2000	1200		2	119,0
3SMA160040200	2000	1600		2	147,5
3SMA060050180	1800	600	500	1	71,5
3SMA080050180	1800	800		1	83,5
3SMA100050180	1800	1000		1	95,4
3SMA120050180	1800	1200		2	116,4
3SMA080050200	2000	800		1	91,1
3SMA100050200	2000	1000		1	104,1
3SMA120050200	2000	1200		2	126,7
3SMA160050200	2000	1600		2	155,6
3SMA080060180	1800	800	600	1	89,7
3SMA080060200	2000	800		1	97,9
3SMA120060200	2000	1200		2	134,5

3. DIMENSIONS *(continued)*

■ 3.2 Modular enclosures

Roof-base set + uprights + rear panel				Solid door	Glass door	Side panel (x 1)	Side + front plinth
H (mm)	W (mm)	D (mm)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
1200	400	400	29,2	10,7	-	4,8	4,4
		500	31,4	10,7	-	-	4,7
		600	33,5	10,7	-	7,1	5,0
	600	400	35,6	14,9	-	4,8	5,0
		500	38,4	14,9	-	-	5,3
		600	40,9	14,9	-	7,1	5,6
		800	46,2	14,9	-	9,4	6,2
		1000	51,5	14,9	-	-	6,8
		1200	56,9	14,9	-	-	7,4
	800	400	42,0	19,0	-	4,8	5,6
		500	45,4	19,0	-	-	5,9
		600	48,3	19,0	-	7,1	6,2
		800	54,6	19,0	-	9,4	6,8
		1000	60,8	19,0	-	-	7,4
		1200	67,3	19,0	-	-	8,0
1600	600	400	41,9	19,8	-	-	5,0
		500	44,7	19,8	-	7,9	5,3
		600	47,2	19,8	-	9,4	5,6
		800	52,5	19,8	-	12,6	6,2
		1000	57,8	19,8	-	15,7	6,8
		1200	63,3	19,8	-	18,9	7,4
	800	400	49,1	25,2	-	-	5,6
		500	52,5	25,2	-	7,9	5,9
		600	55,4	25,2	-	9,4	6,2
		800	61,7	25,2	-	12,6	6,8
		1000	67,9	25,2	-	15,7	7,4
		1200	74,4	25,2	-	18,9	8,0
	1000	400	56,3	30,6	-	-	6,2
		500	60,2	30,6	-	7,9	6,5
		600	63,6	30,6	-	9,4	6,8
		800	70,8	30,6	-	12,6	7,4
		1000	78,1	30,6	-	15,7	8,0
		1200	85,5	30,6	-	18,9	8,6
	1200	400	64,2	-	-	-	6,8
		500	68,9	-	-	7,9	7,1
		600	72,9	-	-	9,4	7,4
		800	81,5	-	-	12,6	8,0
		1000	90,1	-	-	15,7	8,6
1800	400	400	37,3	16,2	-	7,1	4,4
		500	39,5	16,2	-	8,9	4,7
		600	41,6	16,2	-	10,6	5,0
	600	400	44,8	22,2	12,8	7,1	5,0
		500	47,7	22,2	12,8	8,9	5,3
		600	50,1	22,2	12,8	10,6	5,6
		800	55,4	22,2	12,8	14,1	6,2
		1000	60,7	22,2	12,8	17,6	6,8
		1200	66,2	22,2	12,8	21,2	7,4
	800	400	52,4	28,2	16,4	7,1	5,6
		500	55,8	28,2	16,4	8,9	5,9
		600	58,7	28,2	16,4	10,6	6,2
		800	65,0	28,2	16,4	14,1	6,8
		1000	71,3	28,2	16,4	17,6	7,4
		1200	77,7	28,2	16,4	21,2	8,0

Roof-base set + uprights + rear panel				Solid door	Glass door	Side panel (x 1)	Side + front plinth
H (mm)	W (mm)	D (mm)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
1800	1000	400	60,0	34,2 40.7(1)	20,0	7,1	6,2
		500	63,9	34,2 40.7	20,0	8,9	6,5
		600	67,3	34,2 40.7	20,0	10,6	6,8
		800	74,5	34,2 40.7	20,0	14,1	7,4
		1000	81,8	34,2 40.7	20,0	17,6	8,0
		1200	89,2	34,2 40.7	20,0	21,2	8,6
	1200	400	60,0	46,7(1)	-	7,1	6,8
		500	63,9	46,7(1)	-	8,9	7,1
		600	67,3	46,7(1)	-	10,6	7,4
		800	74,5	46,7(1)	-	14,1	8,0
		1000	81,8	46,7(1)	-	17,6	8,6
	1600	400	89,2	58,7(1)	-	7,1	8,0
		500	68,3	58,7(1)	-	8,9	8,3
		600	73,0	58,7(1)	-	10,6	8,6
2000	400	400	39,6	17,9	-	7,9	4,4
		500	41,9	17,9	-	9,9	4,7
		600	43,9	17,9	-	11,8	5,0
	600	400	47,6	24,6	14,1	7,9	5,0
		500	50,4	24,6	14,1	9,9	5,3
		600	52,9	24,6	14,1	11,8	5,6
		800	58,2	24,6	14,1	15,7	6,2
		1000	63,5	24,6	14,1	19,6	6,8
		1200	68,9	24,6	14,1	23,6	7,4
	800	400	55,6	31,2	18,1	7,9	5,6
		500	58,9	31,2	18,1	9,9	5,9
		600	61,9	31,2	18,1	11,8	6,2
		800	68,1	31,2	18,1	15,7	6,8
		1000	74,4	31,2	18,1	19,6	7,4
		1200	80,9	31,2	18,1	23,6	8,0
	1000	400	63,5	37,9 44.9(1)	22,1	7,9	6,2
		500	67,5	37,9 44.9(1)	22,1	9,9	6,5
		600	70,8	37,9 44.9(1)	22,1	11,8	6,8
		800	78,1	37,9 44.9(1)	22,1	15,7	7,4
		1000	85,3	37,9 44.9(1)	22,1	19,6	8,0
		1200	92,8	37,9 44.9(1)	22,1	23,6	8,6
	1200	400	72,2	51,6(1)	-	7,9	6,8
		500	76,9	51,6 (1)	-	9,9	7,1
		600	80,9	51,6 (1)	-	11,8	7,4
		800	89,5	51,6 (1)	-	15,7	8,0
		1000	98,1	51,6 (1)	-	19,6	8,6
	1600	400	91,9	64,8 (1)	-	7,9	8,0
		500	97,7	64,8 (1)	-	9,9	8,3
		600	102,5	64,8 (1)	-	11,8	8,6

(1) two-door version

3. DIMENSIONS *(continued)*

■ 3.3 Modular enclosures

Roof-base set + uprights + rear panel				Solid door	Glass door	Side panel (x 1)	Side + front plinth
H (mm)	W (mm)	D (mm)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
2200	400	400	42,1	19,6	-	8,7	4,4
		500	44,3	19,6	-	-	4,7
		600	46,4	19,6	-	13,0	5,0
	600	400	50,4	26,9	15,5	8,7	5,0
		500	53,3	26,9	15,5	-	5,3
		600	55,7	26,9	15,5	13,0	5,6
		800	61,0	26,9	15,5	17,2	6,2
		1000	66,3	26,9	15,5	21,5	6,8
		1200	71,8	26,9	15,5	25,9	7,4
	800	400	58,8	34,2	20,0	8,7	5,6
		500	62,2	34,2	20,0	-	5,9
		600	65,1	34,2	20,0	13,0	6,2
		800	71,4	34,2	20,0	17,2	6,8
		1000	77,6	34,2	20,0	21,5	7,4
		1200	84,1	34,2	20,0	25,9	8,0
	1000	400	67,1	41,5 49,2(1)	24,5	8,7	6,2
		500	71,1	41,5 49,2(1)	24,5	-	6,5
		600	74,4	41,5 49,2(1)	24,5	13,0	6,8
		800	81,7	41,5 49,2(1)	24,5	17,2	7,4
		1000	88,9	41,5 49,2(1)	24,5	21,5	8,0
		1200	96,4	41,5 49,2(1)	24,5	25,9	8,6
	1200	400	76,2	56,4	-	8,7	6,8
		500	80,9	56,4	-	-	7,1
		600	84,9	56,4	-	13,0	7,4
		800	93,5	56,4	-	17,2	8,0
		1000	102,1	56,4	-	21,5	8,6
	1600	400	97,1	71,0	-	8,7	8,0
		500	102,9	71,0	-	-	8,3
		600	107,6	71,0	-	13,0	8,6

4. TECHNICAL CHARACTERISTICS

■ 4.1 Technical data

Rated current: 2000 A
Rated operational voltage (Ue): 415 V AC, 50/60 Hz
Rated insulation voltage (Ui): 800 V AC, 50/60 Hz
Rated impulse withstand voltage (Uimp): 8 kV
Short-circuit current (Icc): 100 kA, within the breaking capacity limit of the device installed in the base
Maximum limited peak current (Ipk): 220 kA
Rated short-time withstand current for t = 1 s (Icw): up to 100 kA
Storage and installation temperature: -10°C to +70°C
Operating temperature: -5°C to +40°C
Humidity resistance: 5–95%
Pollution degree: 3

■ 4.2 Degree of protection

IP 55 - IK 10

■ 4.3 Material characteristics

Color: Grey RAL 7035, epoxy-polyester powder coating applied by electrostatic spraying, coating thickness 50–70 µm
Rear panel in painted steel sheet, thickness 12/10 mm
Side panels in painted steel sheet, thickness 12/10 mm
Top and base in painted steel sheet, thickness 15/10 mm
Solid metal door in painted steel sheet, thickness 12/10 mm
Glass door in painted steel sheet, thickness 12/10 mm, with tempered glass thickness 4 mm

■ 4.4 Thermal dissipation chart with a maximum permissible current of 6300 A at a Delta T of 30 K.

Determination by testing of the maximum capacity of an enclosure to dissipate heat according to IEC 62208-1 standard.
Configuration 1 (C1): All external surfaces of the enclosure are free and without contact (e.g., floor-standing, frame, or structure mounting).
Configuration 2 (C2): The rear surface is in contact with a wall, all other surfaces are free (typical case of wall-mounted installation).

For other installation configurations, please contact us.

H (mm)	W (mm)	D (mm)	Maximum dissipable power (W)	
			C1	C2
1200	400	400	311	270
		500	355	311
		600	398	351
	600	400	398	337
		500	446	382
		600	494	426
		800	589	515
		1000	684	604
		1200	780	693
	800	400	485	403
		500	537	452
		600	589	501
		800	693	598
		1000	798	696
		1200	902	793
1600	600	400	513	430
		500	572	485
		600	631	540
		800	749	651
		1000	868	761
		1200	986	871
	800	400	622	513
		500	686	572
		600	749	632
		800	877	750
		1000	1004	869
		1200	1131	988
	1000	400	732	596
		500	800	659
		600	868	723
		800	1004	850
		1000	1140	977
		1200	1277	1104
	1200	400	841	679
		500	914	747
		600	986	814
		800	1131	950
		1000	1277	1085

4. TECHNICAL CHARACTERISTICS *(continued)*

■ 4.3 Thermal dissipation chart with a maximum permissible current of 6300 A at a Delta T of 30 K.(continued)

H (mm)	W (mm)	D (mm)	Maximum dissipable power (W)	
			C1	C2
1800	400	400	449	384
		500	509	441
		600	570	497
	600	400	570	476
		500	635	537
		600	700	597
		800	830	718
		1000	960	839
		1200	1089	960
	800	400	691	567
		500	760	632
		600	830	697
		800	968	826
		1000	1107	956
		1200	1246	1085
	1000	400	812	659
		500	886	728
		600	960	797
		800	1107	934
		1000	1255	1072
		1200	1403	1210
	1200	400	933	750
		500	1011	823
		600	1089	896
		800	1246	1042
		1000	1403	1188
	1600	400	1175	933
		500	1262	1014
		600	1349	1096
2000	400	400	495	422
		500	561	484
		600	627	546
	600	400	627	522
		500	698	588
		600	769	654
		800	910	786
		1000	1051	918
		1200	1192	1050
	800	400	760	622
		500	835	692
		600	910	762
		800	1060	902
		1000	1210	1042
		1200	1361	1183
	1000	400	892	722
		500	972	796
		600	1051	870
		800	1210	1019
		1000	1369	1167
		1200	1529	1316
	1200	400	1024	822
		500	1108	900
		600	1192	978
		800	1361	1135
		1000	1529	1292
	1600	400	1289	1021
		500	1382	1108
		600	1475	1194
2200	400	400	541	460
		500	613	528
		600	684	595
	600	400	684	569
		500	761	640
		600	837	711
		800	990	854
		1000	1143	996
		1200	1296	1139
	800	400	828	677
		500	909	752
		600	990	827
		800	1152	978
		1000	1313	1129
		1200	1475	1280
	1000	400	972	785
		500	1058	864
		600	1143	944
		800	1313	1103
		1000	1484	1262
		1200	1655	1421
	1200	400	1116	893
		500	1206	976
		600	1296	1060
		800	1475	1228
		1000	1655	1395
	1600	400	1404	1109
		500	1503	1201
		600	1601	1293

■ 4.5 Mechanical characteristics

Maximum load: 1000 kg

■ 4.6 Resistance to climatic conditions

Storage and installation temperature: -10 °C to +70 °C
Operating temperature: -5 °C to +40 °C
Corrosivity class: C4-L
Indoor installation required

■ 4.7 Seismic Withstand Capability

Seismic test – Zone 4, K = 1.5 according to IEC 60068-3-3:2019

4. TECHNICAL CHARACTERISTICS *(continued)*

■ 4.8 Resistance to chemical agents

Aqueous solutions	Cold water		++
	Hot water		+
	Steam		-
	5% Salt water		+
	Hydrogen peroxide		-
	Water + detergent		+
	Water + surfactants		+
	Formaldehyde		-
Alcohols	Ethanol		+
	Methanol		+
	Propanol		+
	Butanol		+
Glycols	Ethylene glycol		+
Phenols			-
Cresols			-
Bases	Ammonia		+
	Sodium hydroxide (caustic soda)		+
	Sodium hypochlorite (bleach 12°)		+
	Potassium hydroxide (potash)		+
Strong oxidizing acids	Concentrated acetic acid		+
	Nitric acid 5%		+
	Sulfuric acid 30%		+
	Hydrochloric acid 30%		+
	Perchloric acid 70%		++
	Hydrofluoric acid 70%		– –
	Chromic acid 50%		–
	Phosphoric acid 30%		+
Weak acidss	Diluted acetic acid < 25 %		+
	Citric acid		++
	Lactic acid		++
	Formic acid		+
	Uric acid		+
Oils and fats	Animal origin	Lard	++
		animale	++
	Vegetable origin	Linseed oil	++
		Peanut / Olive	++
		Castor	++
		Glycerin	+
	Mineral origin	Paraffin (vaseline)	++
		Automotive engine oils	+
		Silicone oils	++
		Cutting oils	++
		Hydraulic oils	+
Hydrocarbons	Unleaded gasoline		+
	Diesel fuel		++
	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		-

++ : Excellent resistance (continuous exposure)
+ : Good resistance (long-term exposure)
- : Limited resistance (short-term exposure possible)
- - : Poor resistance (avoid exposure)

5. MAINTENANCE

Resistance to professional detergent and disinfectant solutions.

Ethyl-based liquid preparation with surfactant	++
Mild alkaline liquid preparation with surfactant	++
Strong alkaline liquid preparation with disinfectant properties	- -
Alkaline surfactant preparation with amphoteric antibacterial agent	+
Phosphoric acid-based surfactant preparation with disinfectant properties	++
Concentrated alkaline liquid preparation with strong ionic surfactant detergent	-
Concentrated alkaline liquid preparation with EDTA complexing agent	-

6. EQUIPMENT

6.1 Cable entry plates and blanking plates

The enclosures are supplied with blanking plates

Functional plate
Blanking plate, depth 125 mm
Blanking plate, depth 200 mm

Enclosure depth (mm)	Enclosure width (mm)					
	400	600	800	1000	1200	1600
	Plate width (mm)					
	224	424	624	824	2 x 424	2 x 624
400						
500						
600						
800	x					x
1000	x					x
1200	x				x	x

IP43 sealing brush plates
Composed of 2 plates with sealing brushes

Cat.Nos	For enclosure width(mm)	For enclosure depth (mm)
3PECB040	400	400/500/600
3PECB060	600	400/500/600/800/1000/1200
3PECB080	800	400/500/600/800/1000/1200
3PECB100	1000	400/500/600/800/1000/1200
3PECB060 x 2	1200	400/500/600/800/1000
3PECB080 x 2	1600	400/500/600

Foam gasket plates IP43
Consisting of 2 sealing foam gasket plates, 25 x 30 mm

Cat.Nos	For enclosure width(mm)	For enclosure depth (mm)
3PECM040	400	400/500/600
3PECM060	600	400/500/600/800/1000/1200
3PECM080	800	400/500/600/800/1000/1200
3PECM100	1000	400/500/600/800/1000/1200
3PECM060 x 2	1200	400/500/600/800/1000
3PECM080 x 2	1600	400/500/600

Cable gland plates IP55

Cat.Nos	For enclosure width(mm)	For enclosure depth (mm)
3PECD040	400	400/500/600
3PECD060	600	400/500/600/800/1000/1200
3PECD080	800	400/500/600/800/1000/1200
3PECD100	1000	400/500/600/800/1000/1200
3PECD060 x 2	1200	400/500/600/800/1000
3PECD080 x 2	1600	400/500/600

6. EQUIPMENT *(continued)*

■ 6.1 Cable entry plates and blanking plates (continued)

Cabstop IP55 cable entry plates
Cable entries consisting of a clamping jaw for mechanical retention and elastomer zones for sealing.
Equipped with Cabstop plates 0 364 94/95/97.
Entry Ø 5 to 14 equivalent to PE ISO 16/20 and PE PG 9/11/13/16.
Entry Ø 14 to 24 equivalent to PE ISO 25/32 and PE PG 21/22.
Can be pierced directly with the cable (no tools required.
Supplied with sealing plugs to close a pierced entry while maintaining IP55, and cable release tools.

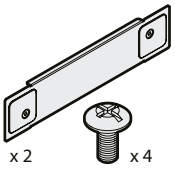
Cat.Nos	For enclosure width (mm)	For enclosure depth (mm)	Cabstop plates used
3PECS040	400	400/500/600	0 364 94
3PECS060	600	400/500/600/800 /1000/1200	0 364 96
3PECD080	800	400/500/600/800 /1000/1200	0 364 97
3PECD100	1000	400/500/600/800 /1000/1200	0 364 97
3PECD060 x 2	1200	400/500/600/800/1000	2 x 0 364 96
3PECD080 x 2	1600	400/500/600	2 x 0 364 97

■ 6.2 Bases and accessories

- Base to assemble: set of 4 feet, height 100 mm, Cat.No 3ZFRC + set of 2 plinths for installation on the enclosure width and set of 2 plinths for installation on the enclosure depth, Cat.No 3ZFRC...

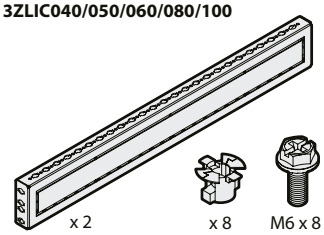
3ZFRC + **3ZFRC040/050/060/080/100/120/160**


x 4


x 2 x 4

When two enclosures are coupled, internal plinths (set of 2) Cat.No 3ZLIC... allow cable routing (pre-cut central section).

3ZLIC040/050/060/080/100


x 2 x 8 M6 x 8

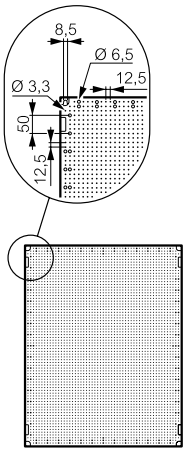
It is possible to stack two bases using kit Cat.No 3ZFRD

3ZFRD


x 4 x 4

■ 6.3 Plates

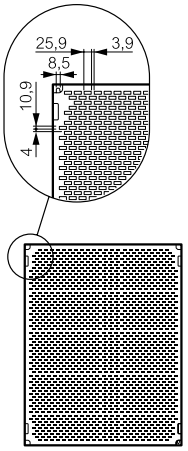
Partial plate Lina 12.5



Galvanized steel.
With pre-drilled holes allowing equipment installation without marking.
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
Drilling for lifting.
Permissible load:150 kg/m²

Cat.Nos	Height (mm)	For enclosure width (mm)	Weight (kg)
3PMLIN080080	800	800	6,4
3PMLIN100080		1000	8
3PMLIN120080		1200	10
3PMLIN080100	1000	800	8
3PMLIN100100		1000	10,3
3PMLIN120100		1200	12,5

Partial plate Lina 25
Zinc-plated steel
Permissible load: 50 kg/m².



Cat.Nos	Height (mm)	For enclosure width (mm)	Weight (kg)
3PMLAN060080	800	600	3,5
3PMLAN080080		800	4,6
3PMLAN100080		1000	6
3PMLAN120080		1200	7
3PMLAN160080		1600	9,3
3PMLAN060100	1000	600	4,3
3PMLAN080100		800	5,5
3PMLAN100100		100	7
3PMLAN120100		1200	8,3
3PMLAN160100		1600	11
3PMLAN060120	1200	600	5
3PMLAN080120		800	6,7

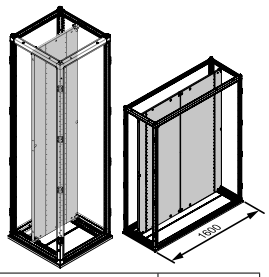
Note: For enclosure with a height of 1200 mm, the partial plate used covers the full height of the enclosure

Reinforcement bracket Cat.No 3PMFC
Metal bracket used to reinforce a plate (solid or perforated) in tall enclosures. It adds a central fixing point to reduce plate deflection.
Galvanized steel
Set of 2

6. EQUIPMENT *(continued)*

■ 6.3 Plates *(continued)*

Plates for front insertion
Premarked with pitch 10 mm.
Drilling for lifting.
Permissible load: 200 kg/m².
Galvanized steel.
Mounting at different depths using 2 supports in galvanized steel
Cat.No 3SPM...

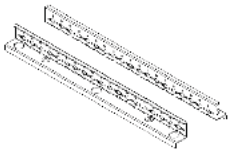


Cat.Nos	Height (mm)	For enclosure width (mm)	Weight (kg)
3PMF060120	1200	600	13,9
3PMF080120		800	18,3
3PMF060160	1600	600	18,6
3PMF080160		800	24,6
3PMF100160		1000	30,5
3PMF120160		1200	36,5
3PMF040180	1800	400	14,2
3PMF060180		600	20,9
3PMF080180		800	27,7
3PMF100180		1000	34,5
3PMF120180		1200	41,2
3PMF160180(1)		1600	30,1
3PMF040200	2000	400	15,7
3PMF060200		600	23,3
3PMF080200		800	30,8
3PMF100200		1000	38,4
3PMF120200		1200	45,9
3PMF160200(1)		1600	33,5
3PMF040220	2200	400	17,3
3PMF060220		600	25,6
3PMF080220		800	34,0
3PMF100220		1000	42,3
3PMF120220		1200	50,6
3PMF160220(1)		1600	36,5

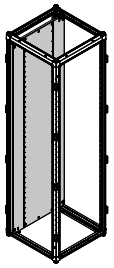
(1): Order quantity: 2 pieces (half-plates)

Mounting plate supports
Set of 2

Cat.Nos	For enclosure depth (mm)	Weight (kg)
3SPM040	400	0,7
3SPM050	500	1,0
3SPM060	600	1,3
3SPM080	800	1,8
3SPM100	1000	2,3



Full width plein plates
The plate's useable surface area is equal to the width of the enclosure and ensures continuous connection between 2 extended enclosure plates.
Mounted via the front face of the enclosure.
Premarked with pitch 10mm.
Drilling for lifting.
Permissible load: 200 kg/m².
Galvanized steel.

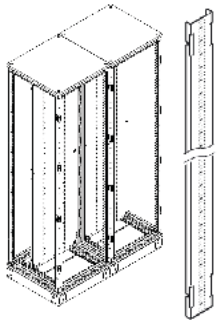


Cat.Nos	Height (mm)	For enclosure depth (mm)	Weight (kg)
3PMLT080160	1600	800	27,5
3PMLT060180	1800	600	24,2
3PMLT080180	1800	800	31,0
3PMLT100180	1800	1000	37,7
3PMLT120180	1800	1200	44,5
3PMLT060200	2000	600	27,0
3PMLT080200	2000	800	34,5
3PMLT100200	2000	1000	42,0
3PMLT120200	2000	1200	49,6

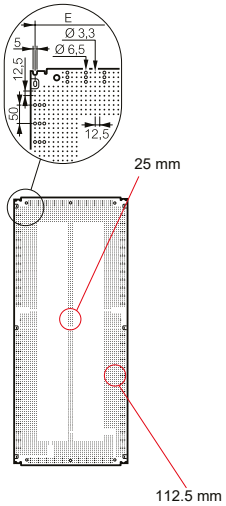
Compensation plates

Provides unbroken connection between 2 plain plates or Lina 12,5 plates.
For extendable enclosures.
Lina 12,5 perforation.
Galvanized steel.

Cat.Nos	For enclosure height (mm)	Weight (kg)
3PMC120	1200	3,0
3PMC160	1600	4,0
3PMC180	1800	4,6
3PMC200	2000	5,1
3PMC220	2200	5,7



Lina 12.5 plate
Galvanized steel.
With pre-drilled holes allowing equipment installation without marking.
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
Drilling for lifting.
Permissible load: 150 kg/m²
Mounting at different depths using 2 supports in galvanized steel
Cat.No 3SPM...



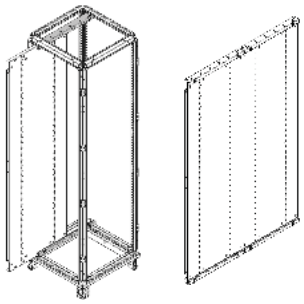
Cat.Nos	Height (mm)	For enclosure width (mm)	Weight (kg)
3PMLIN080160	1600	800	23,8
3PMLIN120160		1200	35,8
3PMLIN060180	1800	600	20,2
3PMLIN080180		800	27,0
3PMLIN100180		1000	33,7
3PMLIN120180		1200	40,5
3PMLIN160180		1600	29,6
3PMLIN060200	2000	600	22,6
3PMLIN080200		800	30,1
3PMLIN100200		1000	37,6
3PMLIN120200		1200	45,2
3PMLIN160200(1)		1600	33,0

(1): Order quantity: 2 pieces (half-plates)

6. EQUIPMENT *(continued)*

■ 6.3 Plates *(continued)*

Lateral plates
Galvanized steel.
Mounting using 2 sliding supports supplied.
coulissants fournis.
Premarked with pitch 10mm.
Drilling for lifting.
Permissible load: 200 kg/m².



Cat.Nos	Height (mm)	For enclosure width (mm)	Weight (kg)
3PML060180	1800	600	26,7
3PML080180		800	33,6
3PML100180		1000	40,7
3PML120180		1200	47,7
3PML160180		1600 (1)	66,1
3PML060200	2000	600	29,4
3PML080200		800	37,2
3PML100200		1000	45,0
3PML120200		1200	52,9
3PML160200		1600 (1)	73,2
3PML060220	2200	600	32,2
3PML080220		800	40,8
3PML100220		1000	49,4
3PML120220		1200	58,0
3PML160220		1600 (1)	80,4

(1) : The plate for enclosure width 1600mm consists of 2 plates width 800mm. Junction kit is supplied.

■ 6.4 Cable fastening crossba

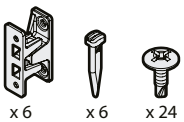
Set of 2 – Galvanized steel
Allow the creation of partial frames in modular enclosures
Pre-positioning by hooking before final screw fastening.
For multifunction bars: perforations for nut clips at 25 mm pitch

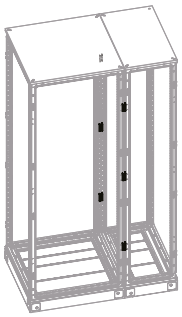
Cat.Nos	For enclosure width or depth (mm)
3TRC040	400
3TRC050	500
3TRC060	600
3TRC080	800
3TRC100	1000

Possible uses detailed in the instructions:
- Bracing bar for depth
- In combination with Cat.No 3PMFC to maintain the rigidity of the solid plate
- Rail support for terminal block with Cat.No 3DINR060/070/080

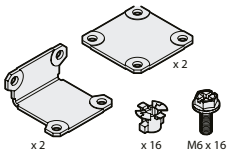
■ 6.5 Enclosure assembly kit

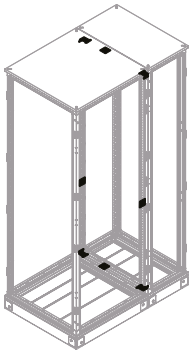
External assembly Cat.No 3KJLATE
Assembly set consisting of:
- 6 assembly components (right + left)
- 6 retaining shafts
- fasteners





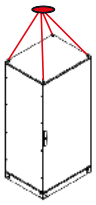
Inner assembly Cat. No 3KJLATI
Assembly set consisting of:
- 4 brackets
- 2 coupling brackets
- nut clips
- fasteners

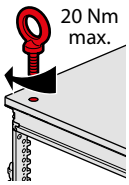


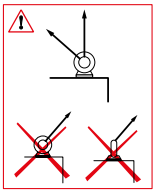


■ 6.6 Lifting

Lifting rings Cat.No 3KLIFTA
Set of 4 lifting rings

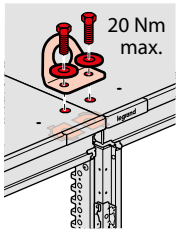


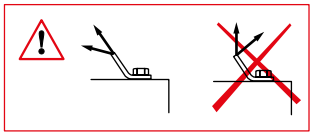


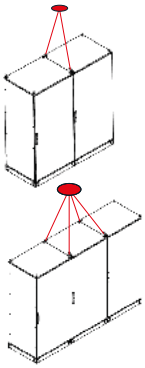


Permissible load: 1000 kg

Lifting angles Cat.No 3KLIFTB
Set of 2
Balances the load between 2 enclosures during lifting.







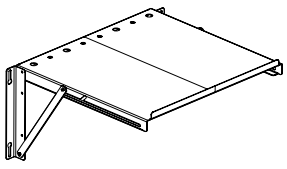
Permissible load when 2 enclosures are joined: 930 kg

Permissible load when 3 enclosures are joined: : 1400 kg

7. ACCESSORIES

■ 7.1 Tilting table Cat.No 3P47707

600 mm metal shelf mounted on the enclosure door.
Compatible with all door widths by adding horizontal profiles if required.
RAL 7012



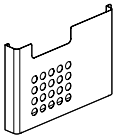
3 possible positions: vertical, horizontal, or inclined

Door width (mm)	Mounting method	Cat.Nos
600	Directly on cable duct doors	None
800	On horizontal profile	3P47720
1000	On horizontal profile	3P47721

7. ACCESSORIES *(continued)*

■ 7.2 Metal plan holder

RAL 7012

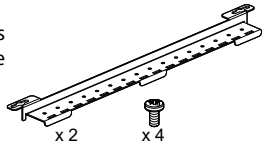


Cat.Nos	Mounting	For doors (width mm)	Internal dimensions (mm)		
			H	W	D
3P47645	Cable duct doors and adhesive	600 / 800 / 1000	275	400	50
3P47646	Cable duct doors	600		420	100
3P47647	Cable duct doors	800		620	100
3P47648	Cable duct doors	1000		820	100

■ 7.3 Door crosspieces / Angle brackets

Profiles for door accessories

The door crosspieces allow various accessories to be mounted inside the enclosure door.



Horizontal or vertical installation

They allow you to :

– secure cables with ties,

– mount cable ducts,

– support a writing shelf on 800 mm and 1000 mm doors

- mount DIN rails ⊔

Galvanized steel

Cat.Nos	For enclosure width (mm)
3P47719	600
3P47720	800
3P47721	1000

Angle bracket Cat.No 3P47718

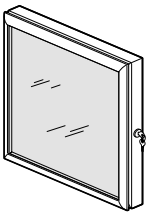
Metal angle bracket designed to mount a DIN rail on the doors of an electrical enclosure. It slides onto the ends of the rails, ensuring quick fastening without drilling.



Mounting on cable duct doors.

Zinc-plated steel

■ 7.4 Door windows



IP 54

Anodized aluminum frame, opening angle 175° ± 5°

Polycarbonate window, 3 mm thick. Neoprene gasket.

Key lock No. 455

Supplied with drilling template

Protects devices, prevents accidental operations, and allows front panel visibility of equipment.

Cat.Nos	External dimensions (mm)			Viewing window dimensions (mm)		Usable depth (mm)
	H	W	D	H	W	
3P47545	300	400	50	230	330	42
3P47546	400	400	50	330	330	42
3P47547	500	500	50	430	430	42
3P47548	600	400	50	530	330	42
3P47549	600	600	50	630	530	42

■ 7.5 Door stop Cat.No 3P47302

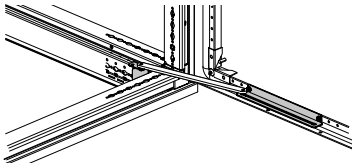
Direct mounting on the enclosure frame

Door stop at end of travel (max. 115°)

Left or right installation

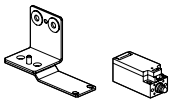
Locking possible at 90° or 115°

Galvanized steel



■ 7.6 Door contact Cat.No 3P47628

Mechanical contactor for detecting the opening/closing of a enclosure door. Allows activation of a light or alarm when the door is opened.



Screw mounting, contact activated by pressure from the door.

■ 7.7 Cable clamping profiles and stainless steel clamp

For clamping cables with clamp Cat.No 0 347 38

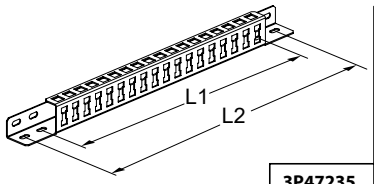
Direct mounting on uprights, plates, or the frame of modular enclosures

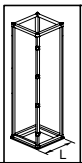
Supplied with mounting device

Cable clamping diameter: 10 ≤ Ø ≤ 35 mm

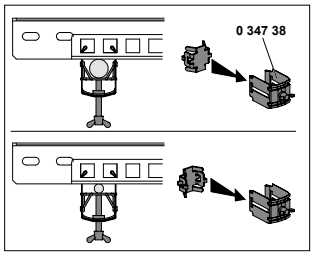
Cat.Nos	For enclosure width (mm)
3P47235	600
3P47236	800
3P47237	1000
3P47238	1200
3P47239	1600

■ 7.8 Set of 2 supports for heavy loads





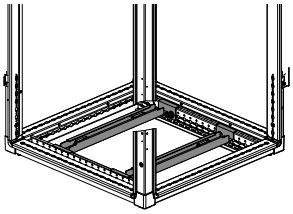
		L1 (mm)	L2 (mm)
3P47235	600	475	550
3P47236	800	675	750
3P47237	1000	875	950
3P47238	1200	1075	1150
3P47239	1600	1475	1550



Mount at the bottom of the enclosure, on support Cat.No 3SPM...

Adjustable mounting for equipment.

Supplied with M6, M8, M10 fixing devices.



Cat.Nos	For enclosure width (mm)	Maximum load (kg)
3P47475	600	300
3P47476	800	
3P47477	1000	

7. ACCESSORIES *(continued)*

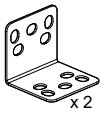
■ 7.9 Roof extension Cat.No 3P47373



Roof extension for natural top ventilation
Height : 12 mm
IP 12B

⚠ Does not allow lifting.

■ 7.10 Wall mounting bracket Cat.No 3P47702



Direct mounting on the enclosure.
Accessories for wall mounting not supplied.
Stainless steel
Dimensions : 100 x 90 x 90 mm thickness 3 mm
Slot 20 x 16 mm

8. 19" ACCESSORIES

■ 8.1 19" uprights



Set of 2
Load per U: 10 kg
Square perforation: 9,5 x 9,5 mm
Galvanized steel upright, with U marking
Depth adjustable in 25 mm increments
Mount on support Cat.No 3SPM... for 800 mm width

Cat.Nos	For enclosure (mm)	Number of U
3P48218	Height 1800 Width 600/800	38
3P48220	Height 2000 Width 600/800	42
3P48222	Height 2200 Width 600/800	47

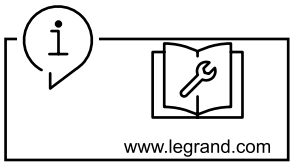
9. STANDARDS AND REGULATIONS

Compliant with regulations applicable to buildings and workplaces accessible to the public, and with the following standards:
IEC 61439-1
IEC 61439-2

RoHS
Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment

REACH
The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

10. OTHER INFORMATION



Instruction sheet : detailed mounting procedures, available on e-catalog

Workshop manual : mounting information, equipment, accessories and other information available on e-catalog

PEP : available on e-catalog

XLPro4 Calcul : Calculation notes creation software, addressed to installers, design office and maintenance operators. Definition of the electrical characteristics of a low voltage installation in compliance with the applicable standards.

XLPro4 Panels : Distribution panel design software, addressed to panelbuilders and electrical panel designers. Design of the electrical distribution of the panel, production of electrical diagrams, establishment of products and overall costing of the project.