



CABLING RANGE

CHARACTERISTICS

The profile used for uprights and crosspieces is unique, manufactured from high-strength low-alloy sheet steel (HSLA), closed with continuous fiber laser welding and free of sharp edges. The frame corners are manufactured with orthogonal joints laser welded to vertical upright rails and horizontal rails for the roof and bottom. Only 8 high resistance screws are necessary to mount the structure, while two position pins allow the easy mounting of the two parts of the joint. Panels are manufactured from sheet steel with rounded folding for higher resistance and aesthetics.

PAINT FINISH

ETA standard epoxy polyester powder coating.
• structure: RAL 7035 smooth finish

- door, rear panel and side panels: RAL 7035 textured finish
 roof: RAL 9011 textured finish.

PROTECTION RATING

IP20 complying with EN60529 NEMA 1 complying with NEMA 250



ABACUS ESSE CABINET - CABLING RANGE





STANDARD VERSION ASSEMBLED CABINET



- glazed door manufactured from sheet steel with tempered glass, supplied with lever-operated double bar locking system with key lock insert and two locking points
- removable roof with ventilation louvers and cable entry
- removable rear panel with quarter turns locking system
 removable side panels with quarter turns locking system
 nr. 2 front rack profiles
- nr. 4 levelling feet

ABACUS ESSE CABINET - CABLING RANGE WITH GLAZED DOOR				OR		
CODE HE		DIMENSIONS (MM)				
		WIDTH	HEIGHT	DEPTH		
AESSE061206PV	24	600	1200	600		
AESSE061606PV	33	600	1600	600		
AESSE062006PV	42	600	2000	600		
AESSE062206PV	47	600	2200	600		
AESSE061208PV	24	600	1200	800		
AESSE061608PV	33	600	1600	800		
AESSE062008PV	42	600	2000	800		
AESSE062208PV	47	600	2200	800		
AESSE081206PV	24	800	1200	600		
AESSE081606PV	33	800	1600	600		
AESSE082006PV	42	800	2000	600		
AESSE082206PV	47	800	2200	600		
AESSE081208PV	24	800	1200	800		
AESSE081608PV	33	800	1600	800		
AESSE082008PV	42	800	2000	800		
AESSE082208PV	47	800	2200	800		

Note: Further dimensions available on request. For a cabinet supplied with plinth H=100 (instead of levelling feet), please add Z to the code. (i.e. AESSE061206PVZ).





CUSTOM VERSION ASSEMBLED OR FLAT-PACK CABINET

Composition to be assembled according to the application and specific user's requirements.

Available in both assembled or flat-pack version.

- Removable roof and open bottom.
- Glazed door (single or double) manufactured from sheet steel with tempered glass, supplied with lever-operated double bar locking system with key lock insert and two locking points, supplied with nr. 2 structural uprights manufactured from high-strength low-alloy sheet steel (HSLA).
- Blank door (single or double) manufactured from sheet steel, supplied with lever-operated double bar locking system with key lock insert and two locking points, supplied with nr. 2 structural uprights manufactured from high-strength low-alloy sheet steel (HSLA).
- Ventilated door (single or double) manufactured from sheet steel, supplied with lever-operated double bar locking system with key lock insert and two locking points, supplied with nr. 2 structural uprights manufactured from high-strength low-alloy sheet steel (HSLA).
- Removable panel with quarter turns locking system, supplied with nr. 2 structural uprights manufactured from high-strength low-alloy sheet steel (HSLA).
- Removable side panels (2pcs) with quarter turns locking system.

C	ODE		DIMENSI	ONS (MM)
FLAT-PACK	ASSEMBLED		WIDTH	DEPTH
ABACUS ESSE CABINET - TOP AND BOTTOM				
AETF060060	AETF060060M		600	600
AETF060080	AETF060080M		600	800
AETF080060	AETF080060M		800	600
AETF080080	AETF080080M		800	800

CODE		HE	DIMENSIO	ONS (MM)
FLAT-PACK	ASSEMBLED		WIDTH	HEIGHT
ABACUS ESSE CABINET - SINGLE GLAZ		ED DOOR WI	TH TWO STRUCTUR	RAL UPRIGHTS
AEPV060120	AEPV060120M	24	600	1200
AEPV060160	AEPV060160M	33	600	1600
AEPV060200	AEPV060200M	42	600	2000
AEPV060220	AEPV060220M	47	600	2200
AEPV080120	AEPV080120M	24	800	1200
AEPV080160	AEPV080160M	33	800	1600
AEPV080200	AEPV080200M	42	800	2000
AEPV080220	AEPV080220M	47	800	2200

ABACUS ESSE CA	BINET - DOUBLE GLAZ	ZED DOOR W	ITH TWO STRUCTU	RAL UPRIGHTS
AEPV060120DP	AEPV060120DPM	24	600	1200
AEPV060160DP	AEPV060160DPM	33	600	1600
AEPV060200DP	AEPV060200DPM	42	600	2000
AEPV060220DP	AEPV060220DPM	47	600	2200
AEPV080120DP	AEPV080120DPM	24	800	1200
AEPV080160DP	AEPV080160DPM	33	800	1600
AEPV080200DP	AEPV080200DPM	42	800	2000
AEPV080220DP	AEPV080220DPM	47	800	2200

ABACUS ESSE CABINET - CABLING RANGE



CC	DDE	HE	DIMENSI	ONS (MM)
FLAT-PACK	ASSEMBLED		WIDTH	HEIGHT
ABACUS ESSE CABINET - SINGLE BLA		NK DOOR WI	TH TWO STRUCTUR	AL UPRIGHTS
AEP0060120	AEP0060120M	24	600	1200
AEP0060160	AEP0060160M	33	600	1600
AEP0060200	AEP0060200M	42	600	2000
AEP0060220	AEP0060220M	47	600	2200
AEP0080120	AEP0080120M	24	800	1200
AEP0080160	AEP0080160M	33	800	1600
AEP0080200	AEP0080200M	42	800	2000
AEP0080220	AEP0080220M	47	800	2200

ABACUS ESSE CA	ABINET - DOUBLE BLA	NK DOOR WI	TH TWO STRUCTUR	RAL UPRIGHTS
AEP0060120DP	AEPO060120DPM	24	600	1200
AEP0060160DP	AEPO060160DPM	33	600	1600
AEP0060200DP	AEPO060200DPM	42	600	2000
AEP0060220DP	AEPO060220DPM	47	600	2200
AEP0080120DP	AEPO080120DPM	24	800	1200
AEP0080160DP	AEP0080160DPM	33	800	1600
AEP0080200DP	AEPO080200DPM	42	800	2000
AEP0080220DP	AEPO080220DPM	47	800	2200

	CODE	HE	DIMENSI	ONS (MM)
FLAT-PACK	ASSEMBLED		WIDTH	HEIGHT
ABACUS ESSE CA	ABINET - SINGLE VENTIL	ATED DOOR	WITH TWO STRUCT	URAL UPRIGHTS
AEPS060120	AEPS060120M	24	600	1200
AEPS060160	AEPS060160M	33	600	1600
AEPS060200	AEPS060200M	42	600	2000
AEPS060220	AEPS060220M	47	600	2200
AEPS080120	AEPS080120M	24	800	1200
AEPS080160	AEPS080160M	33	800	1600
AEPS080200	AEPS080200M	42	800	2000
AEPS080220	AEPS080220M	47	800	2200

ABACUS ESSE CAB	INET - DOUBLE VENTIL	ATED DOOR	WITH TWO STRUCT	TURAL UPRIGHTS
AEPS060120DP	AEPS060120DPM	24	600	1200
AEPS060160DP	AEPS060160DPM	33	600	1600
AEPS060200DP	AEPS060200DPM	42	600	2000
AEPS060220DP	AEPS060220DPM	47	600	2200
AEPS080120DP	AEPS080120DPM	24	800	1200
AEPS080160DP	AEPS080160DPM	33	800	1600
AEPS080200DP	AEPS080200DPM	42	800	2000
AEPS080220DP	AEPS080220DPM	47	800	2200

ABACUS ESSE CABINET - PANEL WITH TWO STRUCTURAL UPRIGHTS				
AERE060120	AERE060120M	24	600	1200
AERE060160	AERE060160M	33	600	1600
AERE060200	AERE060200M	42	600	2000
AERE060220	AERE060220M	47	600	2200
AERE080120	AERE080120M	24	800	1200
AERE080160	AERE080160M	33	800	1600
AERE080200	AERE080200M	42	800	2000
AERE080220	AERE080220M	47	800	2200



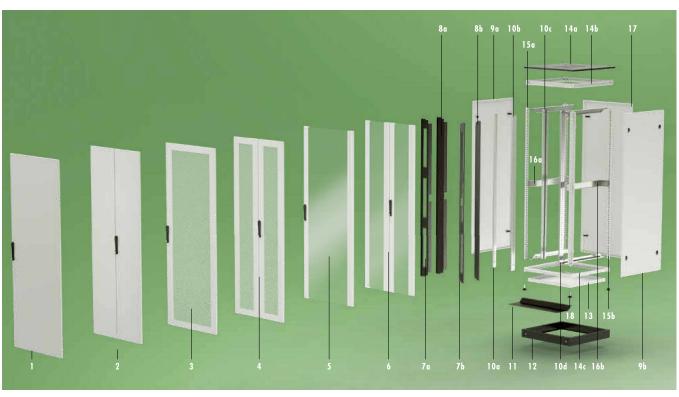
CHOOSE YOUR SOLUTION

Composition to be assembled according to the application and specific user's requirements.

Available in both assembled or flat-pack version.

- 1 Choose the assembled or flat-pack option
- 2 Identify width and depth
- 3 Select the configuration
- Select the number of HE
- **5** Complete your configuration with the accessories





- Single blank door AEPO / APPO
 Double blank door AEPO-DP / APPO-DP
 Single ventilated door AEPS
 Double ventilated door AEPS-DP
 Single glazed door AEPV / APPV
 Double glazed door AEPV-DP

- 7. Multi-function closing strip
 8. Blank closing strip
 9. Side panels AEFI /APFI
 10. Rack uprights AEMK / AERL
 11. Anti-tilt safety device
 12. Modular plinth APZE

- 13. Pre-punched bottom for cable-entry 14. Top and bottom AETF / APTF 15a. 2 structural upright supplied with door 15b. 2 structural upright supplied with panel 16. Kit 19" with central fixing 17. Rear panel AERE / APRE

18. Levelling feet AEPX-001

MECHANICAL ACCESSORIES





BLANK PANEL Colour: RAL 9011.

BLANK PANEL				
CODE	HE	MATERIAL		
AEP0010	1	MILD STEEL		
AEP0011	2	MILD STEEL		
AEP0012	3	MILD STEEL		
AEP0013	1	PLASTIC, FAST-ASSEMBLY		



PANEL WITH CABLE TRAY Colour: RAL 9011.

PANEL WITH CABLE TRAY					
CODE	HE	MATERIAL			
AEP0020	1	MILD STEEL			
AEP0021	1	PLASTIC			



CABLE GUIDE RINGS

Manufactured from sheet steel painted RAL9011, with slots on each side to allow the installation in every position. Supply includes: 10 pieces.

CABLE GUIDE RINGS				
DIMENSIONS				
42x42				
42x80				
68x96				
96x160				



PANEL WITH NR. 5 CABLE GUIDE RINGS

Colour: RAL 9011.

PANEL WITH CABLE GUIDE RINGS		
CODE	HE	MATERIAL
AEP0030	1	MILD STEEL
AEP0031	1	PLASTIC
AEP0032	1	WITH BRUSH



CABLE ENTRY PANEL WITH BRUSH

Colour: RAL 9011.

CABLE ENTRY PANEL WITH BRUSH		
CODE	HE	
AEP0040	1	
AEP0041	2	



FIXED SHELF

Load carrying capacity: 30kg Colour: RAL9011 textured finish.

FIXED SHELF		
CODE	HE	DEPTH
AEP0050	1	300
AEP0051	1	400



SLIDING SHELF AERI

Sliding shelf with ventilation openings manufactured from sheet steel and fixation on 4 rack rails. Load carrying capacity: 40kg. Paint finish: ETA standard epoxy polyester powder coating. Colour: RAL9011 textured finish. Supply includes: 1 piece with mounting accessories and sliding guides.



FIXED SHELF AERI

Fixed shelf with ventilation openings manufactured from sheet steel and fixation on 4 rack rails. Load carrying capacity: 70kg. Paint finish: ETA standard epoxy polyester powder coating. Colour: RAL9011 textured finish. Supply includes: 1 piece with mounting accessories.

FIXED SHELF AERI			
CODE	CABINET D=mm	SHELF D=mm	
AERI000365	600	365	
AERI000465	600	465	
AERI000565	800	565	
AERI000665	800	665	
AERI000765	1000	765	



SLIDING SHELF AERI CODE CABINET D=mm SHELF D=mm AERI000365E 600 365 AERI000465E 600 465 AERI000565E 800 565 AERI000665E 800 665 AERI000765E 1000 765

EXTRACTABLE SHELF WITH ROTARY SUPPORT AERIOOO500M

Extractable shelf D=565mm and rotary support, with mouse area. Paint finish: ETA standard epoxy polyester powder coating. Colour: RAL9011 textured finish. Supply includes: 1 piece with mounting accessories.



WHEELS AERU-001

High-quality polyammide wheels Load capacity: 80kg/wheel Supply includes: 4 pieces (2 wheels with brake and 2 rotating wheels)



19" RAILS AEMK

Manufactured from zinc sheet steel.

Supply includes: 2 pieces.

19" RAILS		
CODE	HE	
AEMK241200	24	
AEMK331600	33	
AEMK422000	42	
AEMK472200	47	

Note: for mounting accessories see page 32.



LEVELLING FEET AEPX-001

Manufactured from PVC, with screws made from zinc steel. Supply includes: 4 pieces with mounting accessories



"L-SHAPED" 19" RAILS AERL

Manufactured from zinc sheet steel.

Supply includes: 2 pieces.

"L-SHAPED" 19" RAILS		
CODE	HE	
AERL241200	24	
AERL331600	33	
AERL422000	42	
AERL472200	47	

Note: for mounting accessories see page 32.



ANTI-TILT SAFETY DEVICE

ANTI-TILT SAFETY DEVICE		
CODE	WIDTH	
AEP0060	600	
AEP0061	800	



DEPTH RAILS

Rails for the mounting of 19" rack uprights on cabinets W=800mm. Manufactured from sendzimir sheet steel. Supply includes: nr. 4 pieces

RAILS		
CODE	DEPTH	
AEP0094	600	
AEP0095	800	
AEP0096	1000	
AEP0097	1200	



19" CENTRAL REINFORCING **BRACKETS**

Manufactured from zinc sheet steel.

Supply includes 2 pieces.

KIT 19" WITH CENTRAL FIXING		
CODE	DEPTH	
AEP0084	600	
AEP0085	800	
AEP0086	1000	
AEP0087	1200	



BRACKETS AEPOO70

Brackets manufactured from zinc sheet steel, used for the mounting of 19" uprights on cabinets W=600mm.

Supply includes: nr. 4 pieces



PRE-PUNCHED BOTTOM FOR CABLE-ENTRY

Manufactured from mild steel painted RAL 7035.

PRE-PUNCHED BOTTOM FOR CABLE-ENTRY		
CODE	WIDTH	DEPTH
AEP0072	600	600
AEP0073	600	800
AEP0074	600	1000
AEP0075	600	1200
AEP0076	800	600
AEP0077	800	800
AEP0078	800	1000
AEP0079	800	1200

Note: for pre-punched bottom for cable-entry colour RAL 9011 — available for W=600/800mm x D=1000/1200mm — please add N to the code (i.e. AEP0074N).



BLANK CLOSING TRIM PANELS

Used to divide the cold and hot airflow inside the cabinet.
Colour: RAL 9011 textured finish.
Supply includes 2 pieces.

BLANK CLOSING TRIM PANELS (2PC)			
CODE	HE		
AEP0080	24		
AEP0081	33		
AEP0082	42		
AEP0083	47		



MULTI-FUNCTION CLOSING PANELS

Multi-functions panels to be completed with the 19" panels available. Colour: RAL 9011 textured finish. Supply includes 2 pieces.

MULTI-FUNCTION CLOSING PANELS (2PC)		
HE		
24		
33		
42		
47		





SIDE PANELS

Manufactured from sheet steel with quarter turns locking system. Paint finish: ETA standard epoxy polyester powder coating. Colour: RAL7035 textured finish for Cabling application, RAL9011 textured finish for Server application.

application.
Supply includes: 2 pieces with mounting accessories.





AEZE PLINTH

Front crosspieces and side crosspieces with integrated corners manufactured from sheet steel.

Paint finish: ETA standard epoxy polyester powder coating.
Colour: RAL9011 textured finish.
Supply includes: front crosspieces
(nr. 2 pieces) and side
crosspieces with integrated
corners (nr. 2 pieces).

ABACUS ESSE CABINET - SIDE PANELS					
CO	HE	DIMENSIONS (MM)			
FLAT-PACK	FLAT-PACK ASSEMBLED		DEPTH	HEIGHT	
AEFI060120	AEFI060120M	24	600	1200	
AEFI060160	AEFI060160M	33	600	1600	
AEF1060200	AEF1060200M	42	600	2000	
AEFI060220	AEFI060220M	47	600	2200	
AEFI080120	AEFI080120M	24	800	1200	
AEFI080160	AEFI080160M	33	800	1600	
AEF1080200	AEF1080200M	42	800	2000	
AEF1080220	AEF1080220M	47	800	2200	
AEFI100120	AEFI100120M	24	1000	1200	
AEFI100200	AEFI100200M	42	1000	2000	
AEFI100220	AEFI100220M	47	1000	2200	
AEFI120120	AEFI120120M	24	1200	1200	
AEFI120200	AEFI120200M	42	1200	2000	
AEFI120220	AEFI120220M	47	1200	2200	

For side panel ESSE server range (colour RAL 9011) - available from dimensions H=1200 x D=1000 - please add N to the code (i.e. AEFI100120N, AEFI100120NM).

ABACUS CABINET – PLINTH WITH INTEGRATED CORNERS					
CC	DE	DESCRIPTION	DIMENSIONS		
FLAT-PACK	ASSEMBLED		(MM)		
AEZE-T0600F	AEZE-T0600FM	FRONT CROSSPIECES (2PCS) H=100	600		
AEZE-T0800F	AEZE-T0800FM	FRONT CROSSPIECES (2PCS) H=100	800		
AEZE-T0600L	AEZE-T0600LM	SIDE CROSSPIECES WITH INTEGRATED	600		
		CORNERS (2PCS) H=100			
AEZE-T0800L	AEZE-T0800LM	SIDE CROSSPIECES WITH INTEGRATED	800		
		CORNERS (2PCS) H=100			
AEZE-T1000L	AEZE-T1000LM	SIDE CROSSPIECES WITH INTEGRATED	1000		
		CORNERS (2PCS) H=100			
AEZE-T1200L	AEZE-T1200LM	SIDE CROSSPIECES WITH INTEGRATED	1200		
		CORNERS (2PCS) H=100			



JOINING KIT AEKU-005

Simplified solution of joining kit manufactured from thick pressed zincpassivated sheet steel.
Supply includes: 4 pieces.



CAGE NUTS M8 WTDA-001

Supply includes: 20 pieces.

CAGE NUTS M6 WTDA-002 Supply includes: 20 pieces.



EYEBOLTS WTGS-001

M12 eyebolts manufactured from zincpassivated sheet steel.
Supply includes: 4 pieces.



BRUSH

BRUSH				
CODE	DIMENSION MM			
AEP0100	600			
AEP0101	800			



SCREWS AND CAGE NUTS M6

Móx 16 screws.
Supply includes:
WA 109 - 20 cage nuts and 20 screws
WA 110 - 50 cage nuts and 50 screws
WA 111 - 20 cage nuts, 20 screws and 20 plastic underscrew-edge.



KIT FOR EASY HE IDENTIFICATION — AEPO 1 10

Self-adhesive blank strip to be stuck on L-shaped rails or 19" rails. L=47HE.



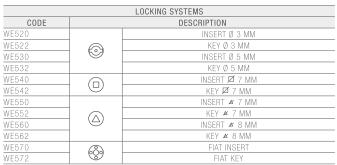
HANDLES

Further to ETA standard locking system, ETA offers a wide range of handles with key-lock insert, pad-locking option, push-button release or special inserts. Available upon request.



PLAN POCKET WA050

A4 sheet size plan pocket manufactured from thermoplastic material. Supply includes: 1 piece with double-sided adhesive tape.





EARTHING COPPER BAR – AEPO 1 20

Equipotential copper bar for ground connectors (with isolators) that can be installed along the depth or the width of ABACUS cabinets. Manufactured from 20x5mm copper bars, with M6 threaded holes.



Grounding Cables – AEP0121

Yellow/green grounding cables section 6mm², length 150mm, complete with ring lugs Ø5mm. Supply includes: nr. 10 pieces



LAMPS WTLA

The fluorescent lamps are characterized with electronic circuits that both increase the luminous emission and eliminate the stroboscopic effect of the traditional neon lamps. The electronic lamps WTLA last more than the neon and incandescent ones, so they are more efficient, convenient and energy savers.

Up to 5 lamps can be mounted on a single cabinet.

CHARACTERISTICS

Casing in aluminium finishing, diffuser in methacrylate with switch. Supply includes: 1 piece with adjustable fixing brackets, mounting accessories and a bipolar connector for the wiring.



Protection rating: IP20.

LAMPS						
CODE	V	Hz	W	LENGHT		
WTLA-050	220:240	50:60	8	342		
WTLA-060	220:240	50:60	13	574		
WTLA-065	110:130	60	13	574		
WTLA-070	220:240	50:60	21	905		



ENERGY BOX AEPO600

Enclosure manufactured from mild steel designed for the assembly of components and modular equipments. Consisting of a fixed part including DIN rail and a shell with adjustable opening.

CHARACTERISTICS

Suitable for nr. 4 pre-punched cable entry. Box dimensions: height 3HE. Colour: RAL7035

VENTILATION





ROOF VENTILATION UNIT

- Roof ventilation unit with
- available space for 2 fans
 Roof ventilation unit with available space for 4 fans
- Roof ventilation unit with available space for 6 fans.

ROOF VENTILATION UNIT						
CODE	NR. FANS	THERMOSTAT				
AEP0251	2	NO				
AEP0252	4	NO				
AEP0253	6	NO				
AEP0254	2	YES				
AEP0255	4	YES				
AEP0256	6	YES				



AXIAL FAN - AEPO249

Supplied with grid and cable. Dimensions 120x120x38mm Flow: 97/117 CFM

LOW-NOISE FAN - AEP0250

Dimensions: 120x120x38mm

Flow: 72/78CFM Noise level: 37/39dB(A)



THE PANEL WITH DIGITAL THERMOSTAT - AEPO257

COMPLETE RANGE OF PDU

CHARACTERISTICS

- Strong structure manufactured from aluminium
- Height 1 HE
- Depth-adjustable 19" fixing brackets
- To be mounted on rack profiles or on cabinet structure
 Multistandard output (Schuko + Italian 10/16Amp) with angle 45°
 Output IEC320-C13 e IEC320-C19
- Protection, management and control devices protected by wrong operation
- Cable L=3mt H05VV-F3Gcx1, 5mmq
- Temperature limit up to 60°C
- Paint finish: epoxypolyester powder coating. Colour: RAL 9004

Available on request:

- Output according to different marketsDifferent cables and input





19" PDU						
CODE	OUTPUT	ASSEMBLY	Α	WATT	DETAILS	
AEP0520	9 multistandard	19" internal	16	3500		
AEP0521	8 multistandard	19" internal	16	3500	switch indicator lamp	
AEP0522	6 multistandard	19" internal	16	3500	thermal magnetic switch lamp bip16A	
AEP0523	13 multistandard	internal	16	3500	-	
AEP0524	13 multistandard	internal	16	3500	switch indicator lamp	
AEP0525	12 multistandard	internal	16	3500	thermal magnetic switch lamp bip16A	
AEP0526	9 IEC-C13	19" internal	10	2500	switch indicator lamp	
AEP0527	8 IEC-C19	19" internal	16	3500		
AEP0528	8 multistandard	19" internal	16	3500	ammeter	
AEP0529	8 IEC-C13	19" internal	10	2500	ammeter	
AEP0530	8 IEC-C19	19" internal	16	3500	ammeter	
AEP0531	5 multistandard	19" internal	16	3500	switch indicator lamp and multistandard pdu controlled with thermostat	



CHARACTERISTICS

- Strong structure manufactured from aluminium
- Vertical mounting
- 1-phase or 3-phase up to 16/32AmpOutput IEC320-C13 e IEC320-C19
- Protection, management and control devices protected by wrong operation

 • Cable 1-phase or 3-phase L=5mt H05VV with output IEC60309

 • Temperature limit up to 60°C

- Paint finish: epoxypolyester powder coating. Colour: RAL 9004

Available on request:

- Output according to different marketsDifferent cables and input



VERTICAL PDU							
CODE	OUTPUT		INPUT	THERMAL MAGNETIC	DISPLAY	L. (mm)	
	C13	C19		SWITCH			
AEP0540	16	6	1-Phase 230 Vac 16A	Bipolar 16A	ammeter	1139	
AEP0541	16	6	1-Phase 230 Vac 32A	Bipolar 32A	ammeter	1139	
AEP0542	24	9	1-Phase 230 Vac 32A	Bipolar 32A	ammeter	1582	
AEP0543	$\overline{}$	3-Phase 400 Vac	nr. 3 bipolar 32A 1 circuit	nr. 3 ammeter	1850		
ALI 0040		32A	breaker/phase	iii. O ailillietei	1030		