



Design in function of safety

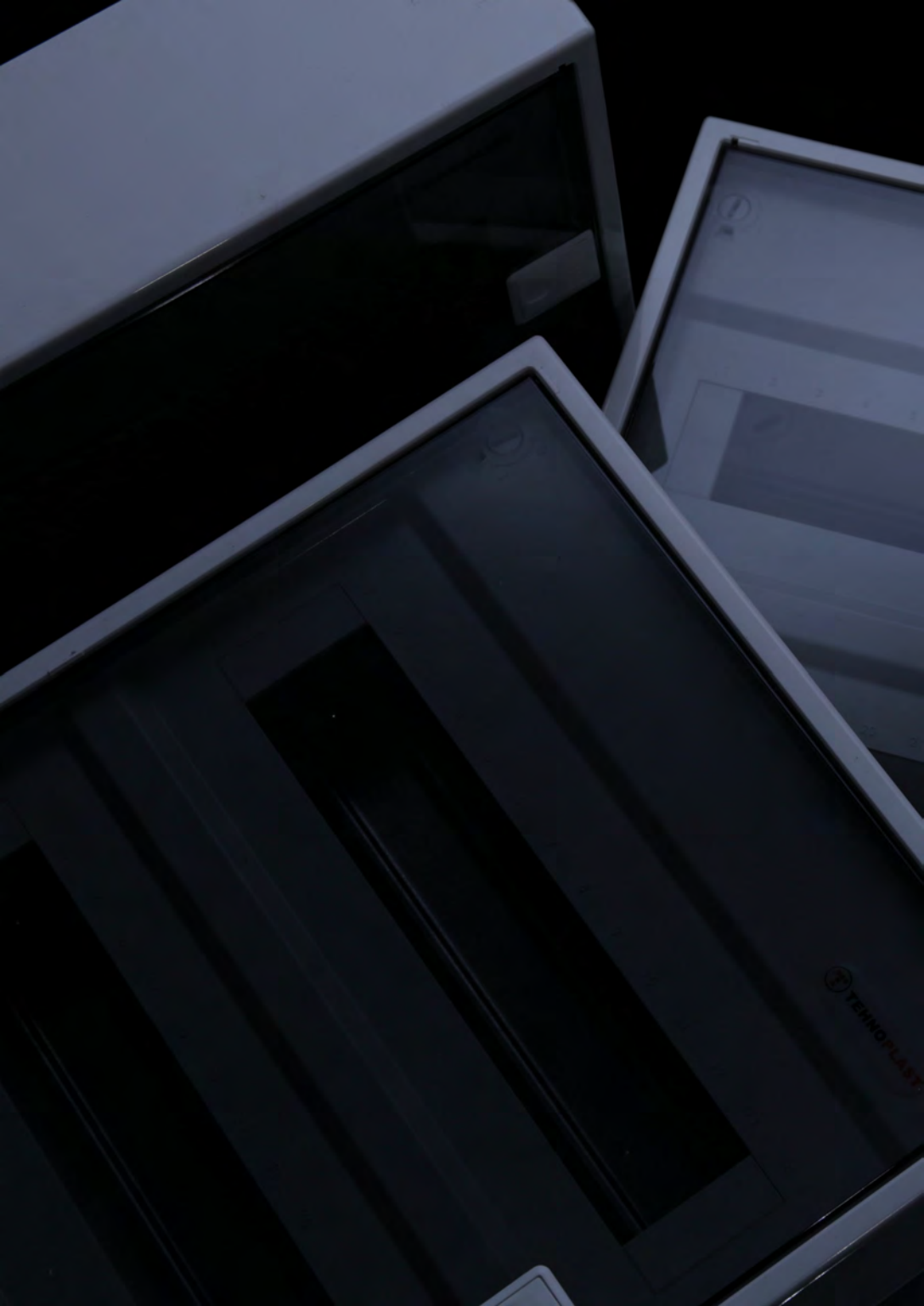


Company founded 1968 in Zemun (Serbia) and relocated to Stari Banovci in 1972. Tradition built on contemporary technology assured recognition and quality. Inside the 6000 square meters of business, production and warehouse space are placed sales, supplies, accounting and administrative services, design construction team, modern tool shop, as well as the production for plastic injection molding. As we run a complete technological operation, our company is able to answer the production needs of already existing articles as well as the development of completely new products in a short period of time. The quality and the "safety of home installations" is guaranteed through complete control and quality management, compliant with relevant international quality standards and certified by many domestic and international institutes SIQ, ÖVE, AD Kvalitet Niš, Nikola Tesla Institute. Creating best possible price/quality/design ratio, we are creating product value that places us at the very top – ahead our competitors.

We are present on the markets of 30 countries world wide.

Many years of experience, excellent work that our team has been doing, complete attention to detail, overcoming of every obstacle before it occurs, as well as the quick solving of every problem constitute our goals.







series **alfa**

ENCLOSURES IP40 – SURFACE MOUNTING

series **alfa**



name N 12 ALFA

type IP 40 □ In 63A

dimensions 251 x 310 x 96

number of modules 12+2

PE, N terminal 2x10

N 24 ALFA

IP 40 □ In 63A

377 x 310 x 96

24+4

2x13

N 36 ALFA

IP 40 □ In 63A

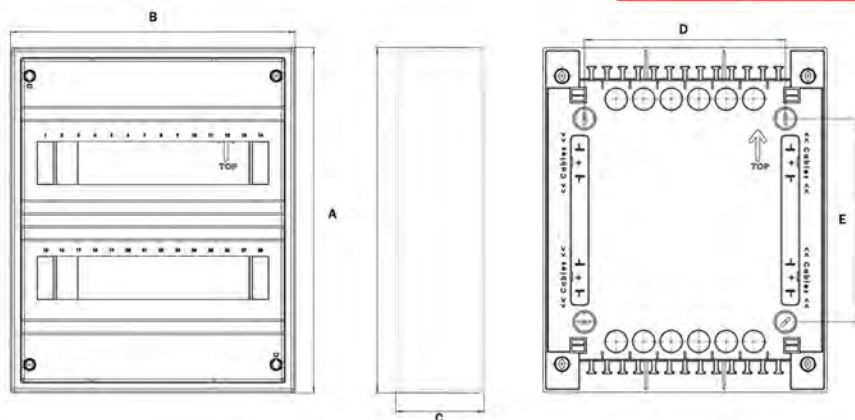
502 x 310 x 96

36+6

2x15



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

* Additional terminal upon request

series **alfa**

	A	B	C	D	E
N12ALFA	251 mm	310 mm	96 mm	219 mm	97 mm
N24ALFA	377 mm	310 mm	96 mm	219 mm	222 mm
N36ALFA	502 mm	310 mm	96 mm	219 mm	347 mm

accessories

Material	ABS
Color	RAL 9003
Door	PC / ABS
Color	Transparent & White
Glow wire test	650°C
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670 / IEC 62208
Halogen free	Yes

included ☒  Cover for the empty place / PP	included ☒  Insulated terminal, standard
optional ☒  Insulated terminal, double	optional ☒  Insulated terminal, Australian type
optional ☒  Insulated terminal, screwless	optional ☒  Lock for enclosures



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25



series **f**

ENCLOSURES IP40 – FLUSH MOUNTING

series f



* Optional
with white doors



name U 12 F

type IP 40 □ In 63A

dimensions 317 x 346 x 92

number of modules 12 + 2

PE, N terminal 2 x 10

U 24 F

IP 40 □ In 63A

442 x 346 x 92

24 + 4

2 x 13

U 36 F

IP 40 □ In 63A

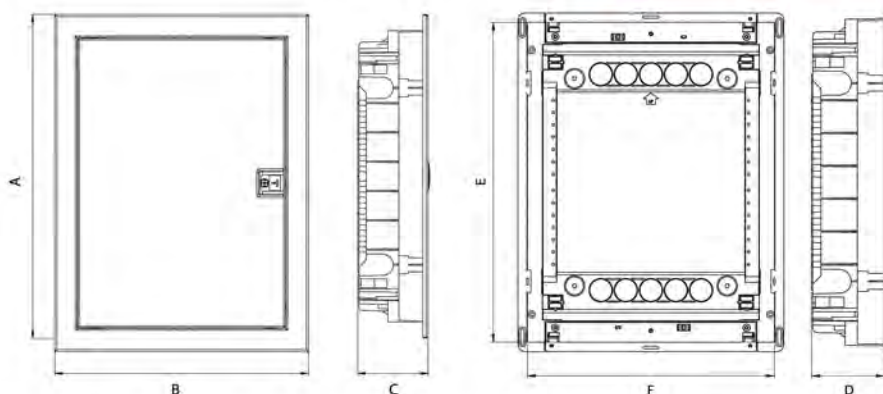
592 x 346 x 92

36 + 6

2 x 15



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

** Additional terminal upon request*

series f

	A	B	C	D	E	F
U12F	317 mm	346 mm	92 mm	87 mm	274 mm	306 mm
U24F	442 mm	346 mm	92 mm	87 mm	399 mm	306 mm
U36F	592 mm	346 mm	92 mm	87 mm	549 mm	306 mm

accessories

Material	ABS
Color	RAL 9003
Door	ABS
Color	Transparent
Glow wire test	650°C standard / 850°C premium
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes

 included ☒	 included ☒	
Cover for the empty place / PP	Insulated terminal, standard	
 optional ☒	 optional ☒	 optional ☒
Insulated terminal, double Insulated terminal, screwless	Lock for enclosures	Insulated terminal Australian type
 optional ☒	 optional ☒	
Connection bracket horizontal	Connection bracket vertical	





series e

ENCLOSURES IP40 - FLUSH MOUNTING

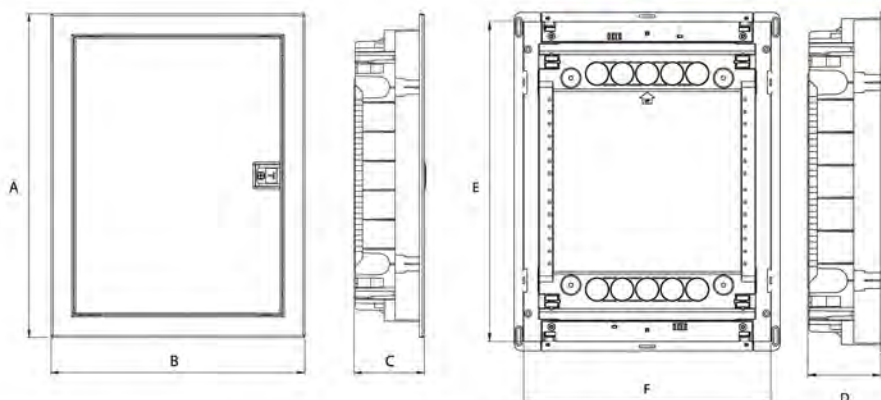
series e



name	U 12 E	U 24 E	U 36 E	U 48 E	U 60 E
type	IP 40 In 63A	IP 40 In 63A	IP 40 In 63A	IP 40 In 63A	IP 40 In 63A
dimensions	317 x 346 x 92	442 x 346 x 92	592 x 346 x 92	717 x 346 x 92	842 x 346 x 92
number of modules	12 + 2	24 + 4	36 + 6	48 + 8	60 + 10
PE, N terminal	2 x 10	2 x 13	2 x 15	2 x 20	2 x 30



PLASTIC ENCLOSURE WITH METAL DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

** Additional terminal upon request*

series e

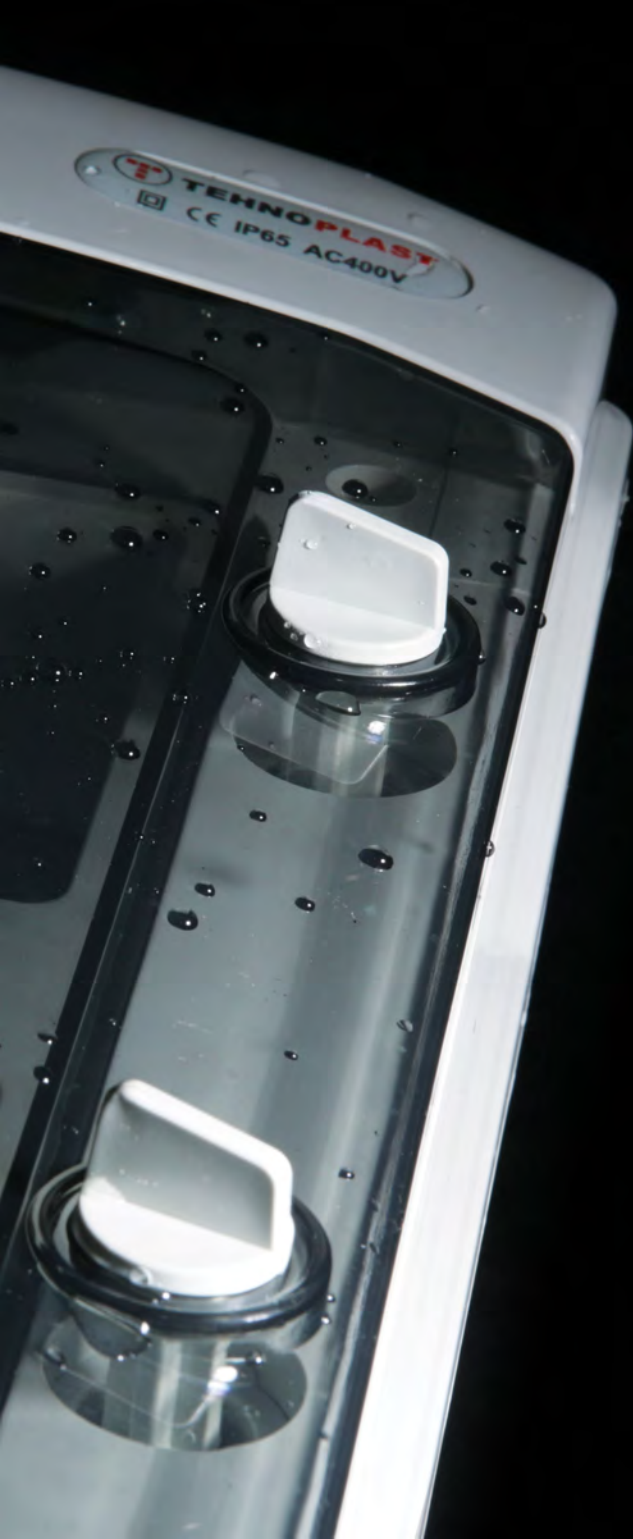
	A	B	C	D	E	F
U12E	317 mm	346 mm	92 mm	87 mm	274 mm	306 mm
U24E	442 mm	346 mm	92 mm	87 mm	399 mm	306 mm
U36E	592 mm	346 mm	92 mm	87 mm	549 mm	306 mm
U48E	717 mm	346 mm	92 mm	87 mm	673 mm	306 mm
U60E	842 mm	346 mm	92 mm	87 mm	799 mm	306 mm

accessories

Material	ABS
Color	RAL 9003
Door	Metal
Color	White
Glow wire test	650°C standard / 850°C premium
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes

	included ☒		included ☒
Cover for the empty place / PP		Insulated terminal, standard	
	optional ☒		optional ☒
Insulated terminal, double Insulated terminal, screwless		Lock for enclosures	optional ☒
	optional ☒		optional ☒
Connection bracket horizontal		Connection bracket vertical	





series **d**

ENCLOSURES IP65 – SURFACE MOUNTING

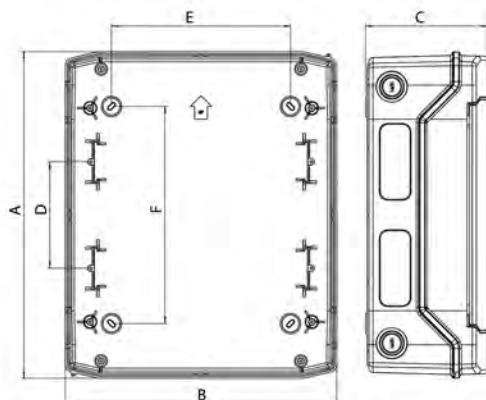
series d



name	N4D	N8D	N12D	N24D	N36D
type	IP 65 □ In 63A	IP 65 □ In 63A	IP 65 □ In 63A	IP 65 □ In 63A	IP 65 □ In 63A
dimensions	201 x 128 x 120	201 x 202 x 120	259 x 319 x 144	384 x 319 x 144	534 x 319 x 144
no. of modules	4	8	12	24	36
PE, N terminal	2 x 4	2 x 8	2 x 10	2 x 13	2 x 15



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Plastic cap for screws keep IP 65 rate
- Manual instruction

* Additional terminal upon request

series d

	A	B	C	D	E	F
N4D	201 mm	128 mm	120 mm	–	–	140 mm
N8D	201 mm	202 mm	120 mm	–	100 mm	140 mm
N12D	259 mm	319 mm	144 mm	–	210 mm	130 mm
N24D	384 mm	319 mm	144 mm	125 mm	210 mm	255 mm
N36D	534 mm	319 mm	144 mm	125 mm	210 mm	380 mm

accessories

Material	Acrylonitrile acrylic styrene
Color	RAL 7035
Door	Polycarbonate
Color	Transparent
Glow wire test	650°C
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC400V / DC 1000V
According to	IEC 60670 / IEC 60228
UV stable	Yes
Halogen free	Yes

included ☒  Cover for the empty place (gray)	included ☒  Insulated terminal, standard
optional ☒  Insulated terminal, double Insulated terminal, Australian type	optional ☒  Insulated terminal, screwless
optional ☒  Rubber grommets	optional ☒  Lock for enclosures





series **C**

ENCLOSURES IP40 – SURFACE MOUNTING

series C



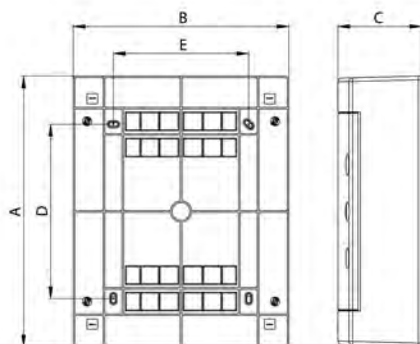
* Optional
with white plastic doors



name	N 4 C	N 8 C	N 12 C	N 24 C	N 36 C	N 48 C
type	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A
dimensions	235x143x98	236x215x102	236x287x112	361x287x112	485 x 287 x 112	652 x 287 x 112
no. of modules	4	8	12	24	36	48
PE, N terminal	2 x 4	2 x 8	2 x 10	2 x 13	2 x 15	2 x 20



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

* Additional terminal upon request

	A	B	C	D	E
N4C	235mm	143mm	98 mm	127 mm	46 mm
N8C	236 mm	215 mm	102 mm	120 mm	120 mm
N12C	236 mm	287 mm	112 mm	107 mm	180 mm
N24C	361 mm	287 mm	112 mm	232 mm	180 mm
N36C	485 mm	287 mm	112 mm	357 mm	180 mm
N48C	652 mm	287 mm	112 mm	482 mm	180 mm
N18C	236 mm	396 mm	112 mm	107 mm	289 mm
N2x18C	361 mm	396 mm	112 mm	232 mm	289 mm
N3x18C	526 mm	396 mm	112 mm	357 mm	289 mm

accessories

included ☒	included ☒
Cover for the empty place / PP	Insulated terminal, standard
optional ☒	optional ☒
Insulated terminal, double	Insulated terminal, Australian type
optional ☒	optional ☒
Insulated terminal, screwless	Lock for enclosures

series C

Material	ABS
Color	RAL 9003
Door	ABS
Color	Transparent / White
Glow wire test	650°C
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670 / IEC 62208
Halogen free	Yes



name	N18C
type	IP 40 □ In 63A
dimensions	236 x 396 x 112
number of modules	18
PE, N terminal	2 x 13

name	N2x18C
type	IP 40 □ In 63A
dimensions	361 x 396 x 112
number of modules	36
PE, N terminal	2 x 15

name	N3x18C
type	IP 40 □ In 63A
dimensions	526 x 396 x 112
number of modules	54
PE, N terminal	2 x 26

ENCLOSURES IP40 – FLUSH MOUNTING

series C



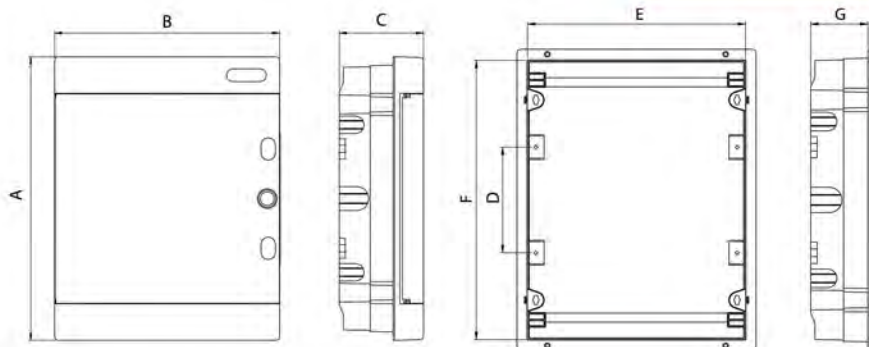
* Optional
with white plastic doors



name	U 4 C	U 8 C	U 12 C	U 24 C	U 36 C
type	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A
dimensions	232x139x99	232x211x 99	232x283x106	357x283x106	482x283x106
number of modules	4	8	12	24	36
PE, N terminal	2 x 4	2 x 8	2 x 10	2 x 13	2 x 15



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

accessories

* Additional terminal upon request

series C

	A	B	C	D	E	F	G
U4C	232 mm	139 mm	99 mm	-	123 mm	216 mm	69 mm
U8C	232 mm	211 mm	99 mm	-	201 mm	212 mm	68 mm
U12C	232 mm	283 mm	106 mm	-	273 mm	212 mm	68 mm
U24C	357 mm	283 mm	106 mm	125 mm	273 mm	336 mm	68 mm
U36C	482 mm	283 mm	106 mm	125 mm	273 mm	462 mm	68 mm
U18C	232 mm	392 mm	106 mm	-	382 mm	212 mm	68 mm
U2x18C	357 mm	392 mm	106 mm	125 mm	382 mm	336 mm	68 mm
U3x18C	522 mm	392 mm	106 mm	125 mm	382 mm	502 mm	68 mm

included ☒	included ☒	
		
Cover for the empty place / PP	Insulated terminal, standard	
optional ☒	optional ☒	optional ☒
		
Insulated terminal, double	Lock for enclosures	Hollow wall holders (only for flush mounting)
optional ☒	optional ☒	
		
Insulated terminal, screwless	Insulated terminal, Australian type	



name U18C
 type IP 40 In 63A
 dimensions 232 x 392 x 106
 number of modules 18
 PE, N terminal 2 x 13

name U2x18C
 type IP 40 In 63A
 dimensions 357 x 392 x 106
 number of modules 36
 PE, N terminal 2 x 15

name U3x18C
 type IP 40 In 63A
 dimensions 522 x 392 x 106
 number of modules 54
 PE, N terminal 2 x 26



380 V
IP 40



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

20 | 21 | 22 | 23 | 24



series a



name N 1 A
type IP 40 □ In 63A
dimensions 130 x 51 x 57
number of modules 1 + 1
PE, N terminal -

N 2 A
IP 40 □ In 63A
130 x 87 x 57
3 + 1
-

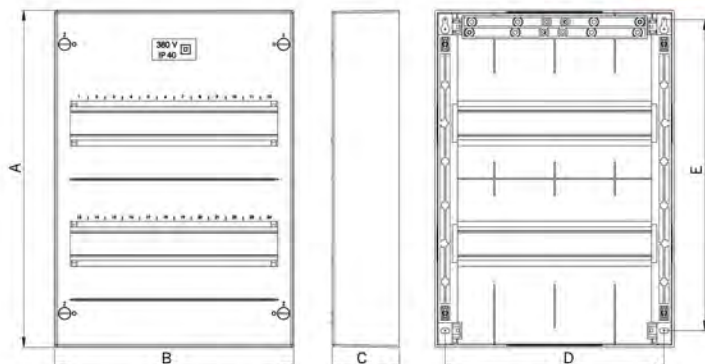
N 3 A
IP 40 □ In 63A
155 x 97 x 57
3 + 2
2 x 4



name N 12 A
type IP 40 □ In 63A
dimensions 225 x 250 x 70
number of modules 12 + 2
PE, N terminal 2 x 10

N 24 A
IP 40 □ In 63A
353 x 250 x 70
24 + 4
2 x 13

N 36 A
IP 40 □ In 63A
463 x 250 x 70
36 + 6
2 x 15



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

* Additional terminal upon request

series a

accessories

included ☒



Cover for the empty place / PP

included ☒



(only for N12 A, N24 A, N36 A)

	A	B	C	D	E
N1A	130 mm	51 mm	57 mm	34 mm	114 mm
N2A	130 mm	87 mm	57 mm	70 mm	114 mm
N3A	155 mm	97 mm	57 mm	-	-
N12A	225 mm	250 mm	70 mm	229 mm	158 mm
N24A	353 mm	250 mm	70 mm	229 mm	281 mm
N36A	463 mm	250 mm	70 mm	229 mm	400 mm

Material	Styrene
Color	RAL 9003
Glow wire test	650°C
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes



ENCLOSURES IP40 – FLUSH MOUNTING

series a



* Optional
with white plastic doors



name U 12 A

type IP 40 □ In 63A

dimensions 260 x 338 x 88

number of modules 12 + 2

PE, N terminal 2 x 10

U 24 A

IP 40 □ In 63A

380 x 338 x 92

24 + 4

2 x 13

U 36 A

IP 40 □ In 63A

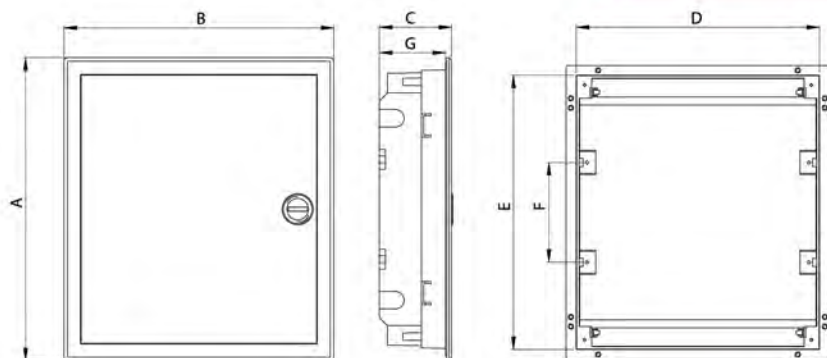
508 x 338 x 92

36 + 6

2 x 15



PLASTIC ENCLOSURE WITH PLASTIC DOOR



Enclosures are completely assembled with all necessary part, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

* Additional terminal upon request

series a



	A	B	C	D	E	F	G
U12A	260 mm	338 mm	88 mm	318 mm	231 mm	-	83 mm
U24A	380 mm	338 mm	92 mm	318 mm	349 mm	125 mm	88 mm
U36A	508 mm	338 mm	92 mm	318 mm	480 mm	125 mm	88 mm

accessories

Material	Styrene
Color	RAL 9003
Door	Styrene Acrylonitrile
Color	Transparent / White
Glow wire test	650°C
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes

included ☒	included ☒
	
Cover for the empty place / PP	Insulated terminal, standard
optional ☒	optional ☒
	
Insulated terminal, double	Insulated terminal, Australian type





 series

ENCLOSURE FOR MULTIMEDIA
AND COMMUNICATION DEVICES



name U 24 E IT
type IP 30 ⊕ In 63A
dimensions 442 x 346 x 92

U 36 E IT
IP 30 ⊕ In 63A
592 x 346 x 92

U 48 E IT
IP 30 ⊕ In 63A
717 x 346 x 92

U 60 E IT
IP 30 ⊕ In 63A
842 x 346 x 92



PLASTIC ENCLOSURE WITH METAL DOOR



U 24 FIT
IP 40 $\oplus$ In63A
442 x 346 x 92



U 36 FIT
IP 40 $\oplus$ In63A
592 x 346 x 92



N 2 x 18 CW IT
IP 40 $\oplus$ In63A
361 x 396 x 112



N 3 x 18 CW IT
IP 40 $\oplus$ In63A
526 x 396 x 112



N 24 CW IT
IP 40 $\oplus$ In63A
361 x 287 x 112



N 36 CW IT
IP 40 $\oplus$ In63A
485 x 287 x 112



N 48 CW IT
IP 40 $\oplus$ In63A
653 x 287 x 112

accessories for IT series



Holder for WiFi router



Double socket outlet with holder



Lock for enclosures E and F



Partition with integrated socket



Lock for enclosures C



Connection bracket vertical



Connection bracket horizontal



Patch panel
for 12 RJ45 modules



name	U 36 3/1 E	U 48 4/1 E	U 48 4/2 E	U 60 5/1 E	U 60 5/2 E	U 60 5/3 E
type	IP 30 In63A	IP 30 In63A	IP 30 In63A	IP 30 In63A	IP 30 In63A	IP 30 In63A
dimensions	592 x 346 x 92	717 x 346 x 92	717 x 346 x 92	842 x 346 x 92	842 x 346 x 92	842 x 346 x 92
No. of modules	12+2	12+2	24+4	12+2	24+4	36+6
PE,N terminal	2 x 10	2 x 10	2 x 13	2 x 10	2 x 13	2 x 15

accessories for IT series



(E, F, C)

Holder for WiFi router



(E, F, C)

Double socket outlet with holder



(E, F)

Lock for enclosures E and F



(Combo)

Partition with integrated socket



(C)

Lock for enclosures C



(E, F)

Connection bracket vertical



(E, F)

Connection bracket horizontal



Patch panel
for 12 RJ45 modules

accessories

INSULATED TERMINAL, DOUBLE

Flamability: Self extinguish

Glow wire test: 960° C

12 modules and more



DOUBLE TERMINAL, AUSTRALIAN TYPE

Flamability: Self extinguish

Glow wire test: 960° C

12 modules and more



INSULATED TERMINAL, SCREWLESS



EARTH AND NEUTRAL TERMINAL

K5 -5 holes/ **K8** -8 holes/ **K10** -10 holes/ **K140** -1 meter

Hole diameter: 5.5 mm

Cable size: 24 mm²

Screw size: M5x8 Ph#2 Combi (±)Cross Zinc plated A2F



INSULATED TERMINAL FOR SERIES A



EARTH AND NEUTRAL TERMINAL (WITH HOLDER FOR DIN RAILS)



INSULATED EARTH AND NEUTRAL TERMINAL FOR DIN RAILS

PE/N 7, PE/N 12, PE/N 15



ACCESSORIES

accessories

HOLDER FOR ELECTROMETER



NB
Dimensions
185 x 370 x 35 mm



NB2
Dimensions
210 x 370 x 15 mm

MULTIPLE PLUG BOX / SP1

Dimensions: 80 x 80 x 28 mm



COVER FOR THE EMPTY PLACE / PP



LOCK



Available for
enclosure type **c**



Available for
enclosure type **d**



Available for enclosure
type **e** and **f**

PACTH PANEL FOR 12 RJ45 MODULES

Indexing dimension (W x H) 15,0 x 20,0 mm

**different dimension possible upon request*



PARTITION WITH INTEGRATED SOCKET

For IT series **combo**



MOUNTING PLATE, PERFORATED



Material: stainless steel
Height: 110 mm
Installation: one mountig plate per row

CONNECTION BRACKET
VERTICAL



Material: ABS
Dimensions: 18 x 48 x 155 mm

HOLDER FOR
WI-FI ROUTER



Material: steel sheet, powder coated.
Dimensions: 90x90x117

MOUNTING PLATE, PERFORATED



Material: stainless steel
Height: 172 mm / Installation: bottom

CONNECTION BRACKET
HORIZONTAL



Material: stainless steel
Height: 110 mm

DOUBLE SOCKET OUTLET WITH
HOLDER FOR IT MOUNTING PLATE



arctic-white,
16A, 250V~



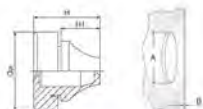
ACCESSORIES

accessories

RUBBER GLANDS



Material: EPDM - Halogen Free Resistant to chemicals and weatherproof.
 Made of protection: IP67 acc. to EN 60592
 Temperature range: -40°C +110°C (Unstressed material)
 Test standard: SEMKO 44:1984
 Semko report: 0211038/01-07



*Suitable for holes in materials of 0,5 - 4 mm thickness.
 Quick and simple assembly without the use of tools.*

RAL 7035

E-number	size	For cable/ pipe Ø mm	A mm	B mm	Da mm	H mm	H1 mm	Pcs pack
T_14 582 34	M16	5 - 9	16,5	1 - 4	21	17,7	11	50
T_14 582 35	M20	8 - 13	20,5	1 - 4	25,5	20	13,4	50
T_14 582 36	M25	11 - 17	25,5	1 - 4	30,5	21,3	15,3	50
T_14 582 37	M32	15 - 20	32,5	1 - 4	38,5	24,6	18,6	25
T_14 582 38	M40	19 - 28	40,5	1 - 4	48,5	29,5	21,7	25
T_14 582 39	M50	27 - 35	50,5	1 - 4	60,5	34,8	25	10



TSS

Material: TPE - Thermoplastic Elastomer- Halogen Free.
 UL approved material
 Made of protection: IP67
 Temperature range: -50°C +125°C (Unstressed material)
 Test standard: EN60529:1991+A1,
 EMKO-TUI (03-SEC) FI001/84
 Semko report:
 M16 - 708555-1
 M20 - 708555-2
 M25 - 708555-3
 M32 - 708555-4



*Quick and simple assembly without the use of tools.
 Handles exceptionally large cable span
 An end-plug for all applications*

RAL 7035

E-number	size	For cable/ pipe Ø mm	A mm	B mm	D* mm	D1 mm	H mm	H1 mm	H2* mm	Pcs pack
T_14 757 11	M16	5 - 10	16,5	0,5 - 3	23,5	4	11	4	6,75	50
T_14 757 12	M20	6 - 13	20,5	0,5 - 3	27,5	5	11	4	6,75	50
T_14 757 13	M25	8 - 17	25,5	0,5 - 3,5	32,5	7	11	4	6,75	50
T_14 757 14	M32	12 - 24	32,5	0,5 - 4,5	39,5	11	11	4	6,75	25

*Varies depending on the thickness of material installed in.



ACCESSORIES

accessories

COPPER BUSBARS

BUSBARS FOR MCBS – ELEMENTS, 1 PHASE, PIN TYPE

Artical	Lenght mm	Pole	Section (mm ²)	I (A)
110	1000	56 x 1	10	63
110 S	210	12 x 1	10	63
111	1000	56 x 1	16	80
111 S	210	12 x 1	16	80



BUSBARS FOR MCBS – ELEMENTS, 1 PHASE, PIN TYPE, INSULATED

Artical	Lenght mm	Pole	Section (mm ²)	I (A)
130	1000	56 x 1	10	63
130 S	210	12 x 1	10	63
131	1000	56 x 1	16	80
131 S	210	12 x 1	16	80



BUSBARS, 3- PHASES, PIN TYPE, FOR MCBS ELEMENTS, L- STYLE

Artical	Lenght mm	Pole	Section (mm ²)	I (A)
140	1000	19 x 3	10	63
140 S	210	4 x 3	10	63
141	1000	19 x 3	16	80
141 S	210	4 x 3	16	80



BUSBARS, 3- PHASES, FORK TYPE, FOR MCBS ELEMENTS, L- STYLE

Artical	Lenght mm	Pole	Section (mm ²)	I (A)
150	1000	19 x 3	10	63
150 S	210	4 x 3	10	63
151	1000	19 x 3	16	80
151 S	210	4 x 3	16	80



BUSBARS FOR MCBS – ELEMENTS, 1 PHASE, FORK TYPE, INSULATED

Artical	Lenght mm	Pole	Section (mm ²)	I (A)
160	1000	56 x 1	10	63
160 S	210	12 x 1	10	63
161	1000	56 x 1	16	80
161 S	210	12 x 1	16	80



Description	Busbar
Type	1 / 3 – phase

TECHNICAL DATA

Busbar	Copper
Insulation	ABS
End cover	RAL 7035

GENERAL DATA

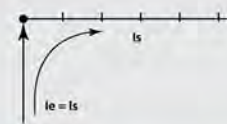
Heat deflection temperature	ABS $\geq 80^{\circ}\text{C}$ UL94 V0
Glow Wire Flammability Index	ABS 960°C / 3,2mm
Standards	EN 60947-1:2007 / IEC 60947-1:2007
Impulse voltage strength	$\geq 4,5 \text{ kV}$
Minimal air distance	$> 5,5 \text{ mm}$
Maximal operating voltage	690 V AC / DC
Protection class	IP20
Short circuit rating	ICC 25kA - NH3 355A gC500V JM
Dielectric strength	$> 32 \text{ kV} / \text{mm}$
Max. current and Phase	63 A 80 A
Product size mm ³	10 mm ³ 16mm ³

ASSEMBLY DETAILS

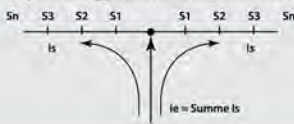
Due to security purposes all shortened bus bars need to be covered with suitable end covers

FEEDING

Feeding at beginning or end of bar



In case of center-feeding, the sum of junction currents $S1..Sn$ per rail branch may not be bigger than the maximal busbar current.



APPROVAL AND MARKING

Products are CE and ROHS conform



IEC	IECEE	Ref. Certif. No.
		SI-3635
ON TEST CERTIFICATE CERTIFICAT D'ESSAI OC		
Product	Installation boxes	
Name and address of the applicant	Technoplast d.o.o. Zoravka Jekica 119, 22305 Stan Baranovi, Serbia	
Name and address of the manufacturer	Technoplast d.o.o. Zoravka Jekica 119, 22305 Stan Baranovi, Serbia	
Name and address of the testing laboratory	Technoplast d.o.o. Zoravka Jekica 119, 22305 Stan Baranovi, Serbia	
Design and product description	400 V, IP40, Class II	
Standard (EN/IEC)	TEHNOPLAST	
Test (EN/IEC)	IEC 60679-24:2011 (Second Edition) IEC 60679-1:2005 (First Edition) + A1:2011	
Additional information of conformity	IEC 60679-24:2011 (Second Edition) IEC 60679-1:2005 (First Edition) + A1:2011	
Signature	Zoran Stokic	

ÖVE AUSTRIAN ELECTROTECHNICAL ASSOCIATION
Eichenbachgasse 9, 1010 Wien, Austria
ZVR: 327279890 | DVR: 1055887
ÖVE - Testing & Certification
Kahlenberger Str. 26, 1190 Wien, Austria
Phone: +43 1 370 58 08
www.ove.at



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ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: 47572-006-00

The Austrian Electrotechnical Association (ÖVE) hereby grants the right to the company mentioned below to label the listed products with the Austrian Safety Mark.

Company: **TEHNOPLAST D.O.O.**
Zoravka Jekica 119
22305 Stan Baranovi
Serbia, Republic of

Product: **Installation boxes (empty enclosures)**

Basis for this given right is the conformity of the products with the requirements of the technical standards listed in this certificate as stated in the file(s) Ref.-No(s). **TGM-VA EE 33668**

This certificate establishes the conformity of the tested specimen and of all products manufactured strictly identical to the submitted one.

Österreichischer Verband für Elektrotechnik

Head of Testing & Certification

Signature signed by Mr. Martin
Dipl.-Ing. W. Martin

ÖVE

Vienna

ÖVE - Testing & Certification

Authorized by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.veim.at/veimcertification



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ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: 47572-005-02

The Austrian Electrotechnical Association (ÖVE) hereby grants the right to the company mentioned below to label the listed products with the Austrian Safety Mark.

Company: **TEHNOPLAST D.O.O.**
Zoravka Jekica 119
22305 Stan Baranovi
Serbia, Republic of

Product: **Pillar terminal**

Basis for this given right is the conformity of the products with the requirements of the technical standards listed in this certificate as stated in the file(s) Ref.-No(s). **TGM-VA EE 33855**

This certificate establishes the conformity of the tested specimen and of all products manufactured strictly identical to the submitted one.

Österreichischer Verband für Elektrotechnik

Head of Testing & Certification

Signature signed by Mr. Martin
Dipl.-Ing. W. Martin

ÖVE

Vienna

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ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: 47572-004-02

The Austrian Electrotechnical Association (ÖVE) hereby grants the right to the company mentioned below to label the listed products with the Austrian Safety Mark.

Company: **TEHNOPLAST D.O.O.**
Zoravka Jekica 119
22305 Stan Baranovi
Serbia, Republic of

Product: **Base-plate for meter**

Basis for this given right is the conformity of the products with the requirements of the technical standards listed in this certificate as stated in the file(s) Ref.-No(s). **TGM-VA EE 33856**

This certificate establishes the conformity of the tested specimen and of all products manufactured strictly identical to the submitted one.

Österreichischer Verband für Elektrotechnik

Head of Testing & Certification

Signature signed by Mr. Martin
Dipl.-Ing. W. Martin

ÖVE

Vienna

ÖVE - Testing & Certification

Authorized by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.veim.at/veimcertification



Design in function of safety



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