

CONSUMER UNITS

Electrical installation solutions for buildings – Technical details

Consumer units

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Consumer units technical details

AK600 and UK600

AK600 IP30 Flush & hollow wall mounting consumer units

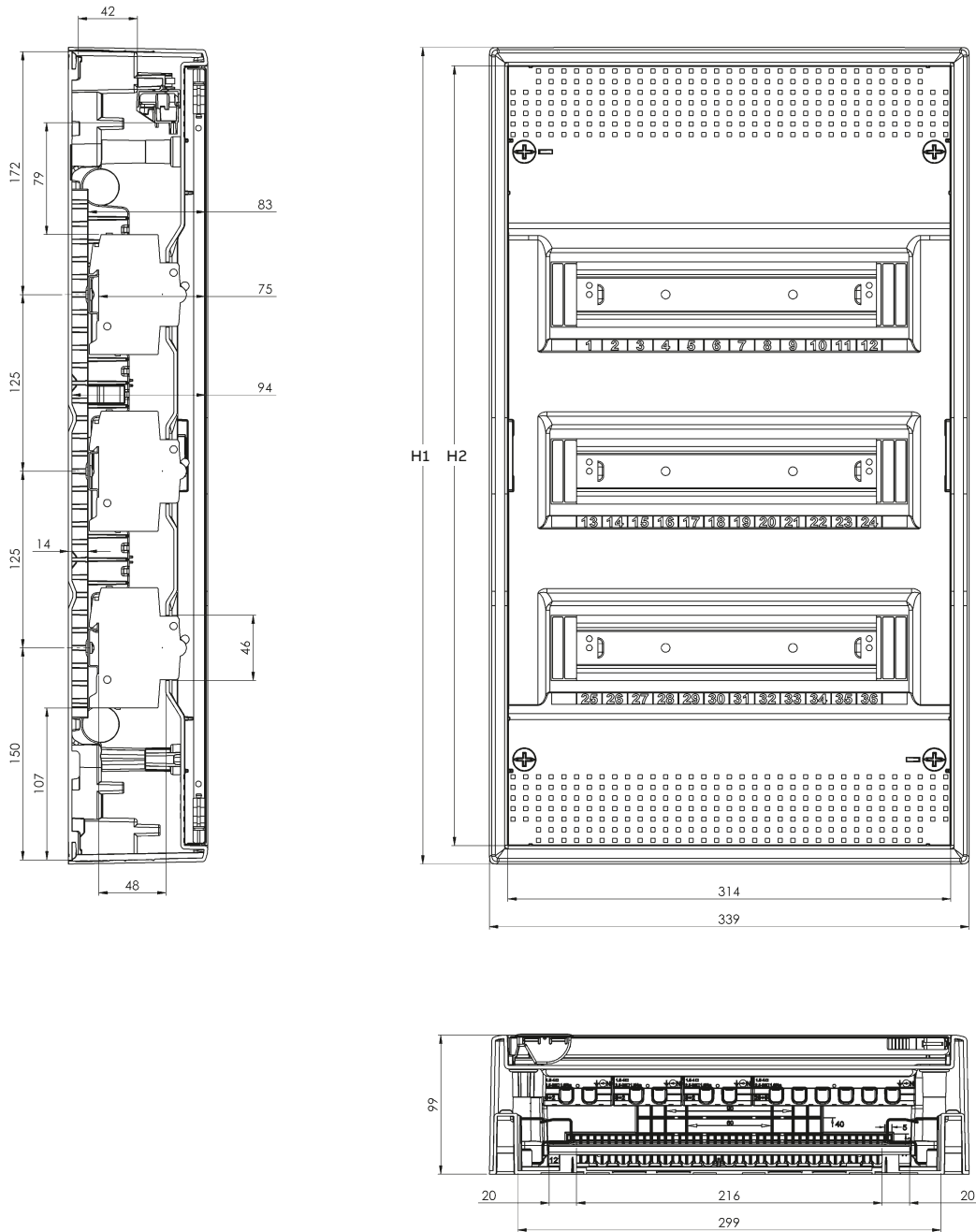
Codes	A61...	A62...	A63...	A64...	A66...
Number of Modules	12	24	36	48	60
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Without door	YES	YES	YES	YES	YES
With opaque door	Accessories	Accessories	Accessories	Accessories	Accessories
With transparent door	NO	NO	NO	NO	NO
Double Insulation	YES	YES	YES	YES	YES
Resistance to Heat	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C
Type of Material	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel
Shock Resistance	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)
Installation Temperature	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C
IP wo/w door	IP 30 / 40	IP 30 / 40	IP 30 / 40	IP 30 / 40	IP 30 / 40
Maximum current	63 A	63 A	63 A	63 A	63 A
Max Dissipation Power	42 W	63 W	66 W	90 W	106 W
Cable Holding System integrated	YES	YES	YES	YES	YES
Designed for Input	push and stay design	push and stay design	push and stay design	push and stay design	push and stay design
Extractable DIN Rails	YES	YES	YES	YES	YES
Media Enclosures	NO	YES	YES	YES	YES

UK600 IP30 Flush & hollow wall mounting consumer units

Codes	UK61...	UK62...	UK63...	UK64...	UK66...
Number of Modules	12	24	36	48	60
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Without door	YES	YES	YES	YES	YES
With opaque door	YES	YES	YES	YES	YES
With transparent door	NO	NO	NO	NO	NO
Double Insulation	YES	YES	YES	YES	YES
Resistance to Heat	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C
Type of Material	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel	Thermo-plastic, Sheet steel
Shock Resistance	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)
Installation Temperature	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C	-5 °C ÷ +40 °C
Protection degree	IP 30	IP 30	IP 30	IP 30	IP 30
Maximum current	63 A	63 A	63 A	63 A	63 A
Max Dissipation Power	31 W	45 W	54 W	62 W	69 W
Cable Holding System by hollow wall mounting	YES	YES	YES	YES	YES
Designed for Input	push and stay design	push and stay design	push and stay design	push and stay design	push and stay design
Extractable Frame	YES	YES	YES	YES	YES
Media Enclosures	NO	YES	YES	YES	YES

Consumer units technical details

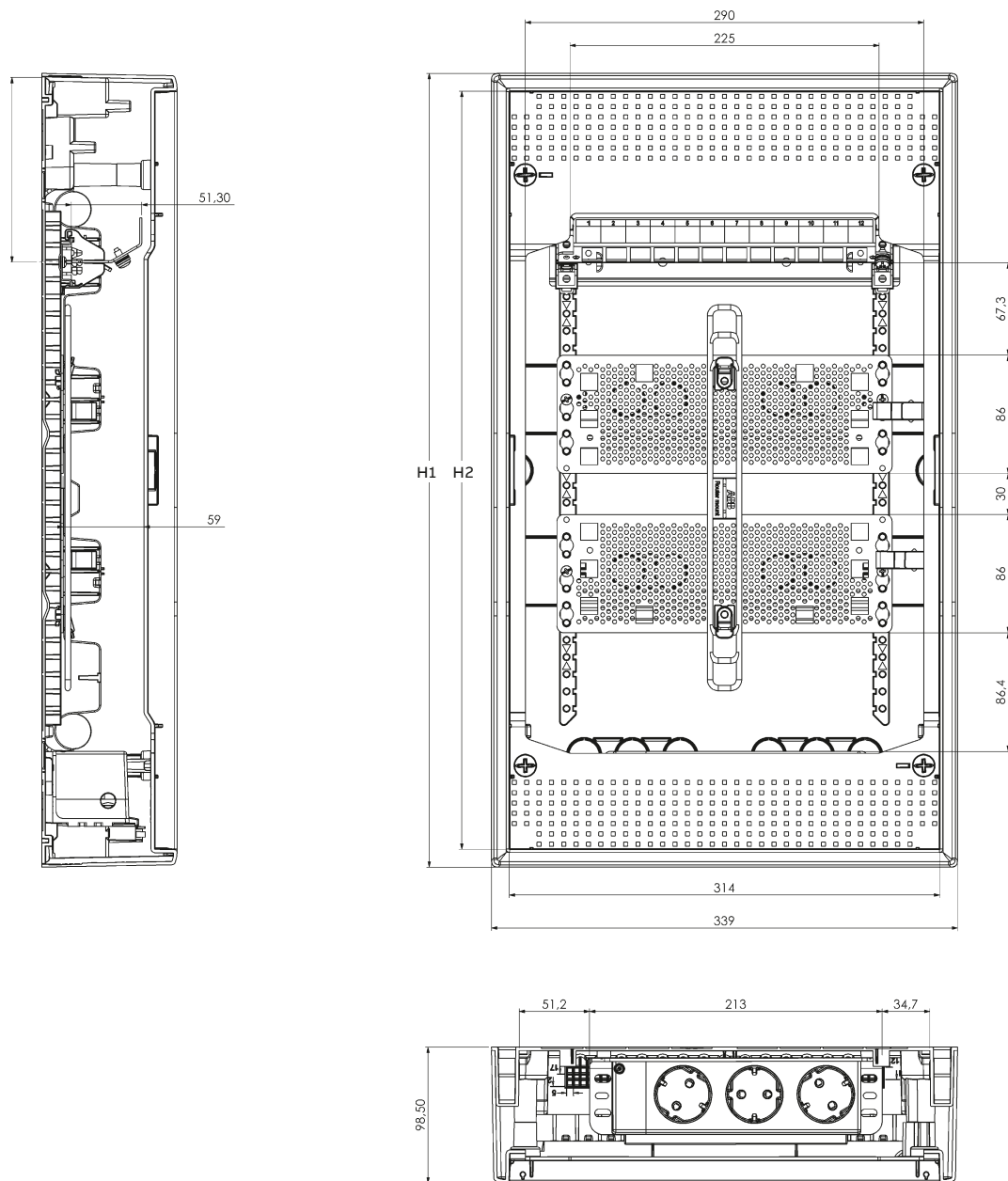
AK600



Type	Allowed power loss according to IEC/TR 60690 in W	Dimensions in mm	
		H1	H2
AK61..	41,9	328	302
AK62..	63,3	453	427
AK63..	65,9	578	552
AK64..	89,9	703	677
AK66..	106,1	828	802

Consumer units technical details

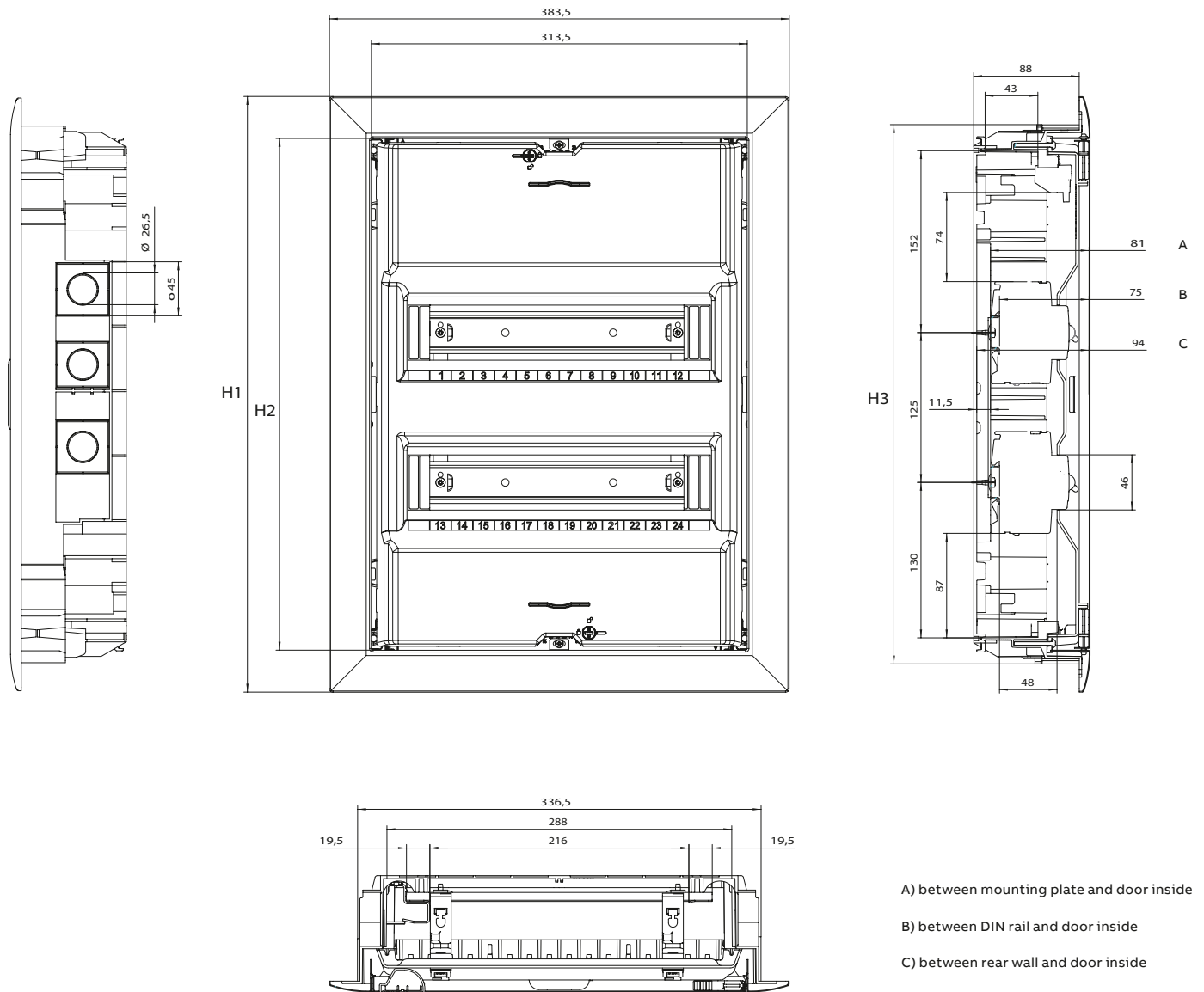
AK600 – Media enclosure



Type	Allowed power loss according to IEC/TR 60690 in W	Dimensions in mm	
		H1	H2
AK62..	97,4	453	427
AK63..	118,4	578	552
AK64..	137,9	703	677
AK66..	148,6	828	802

Consumer units technical details

UK600

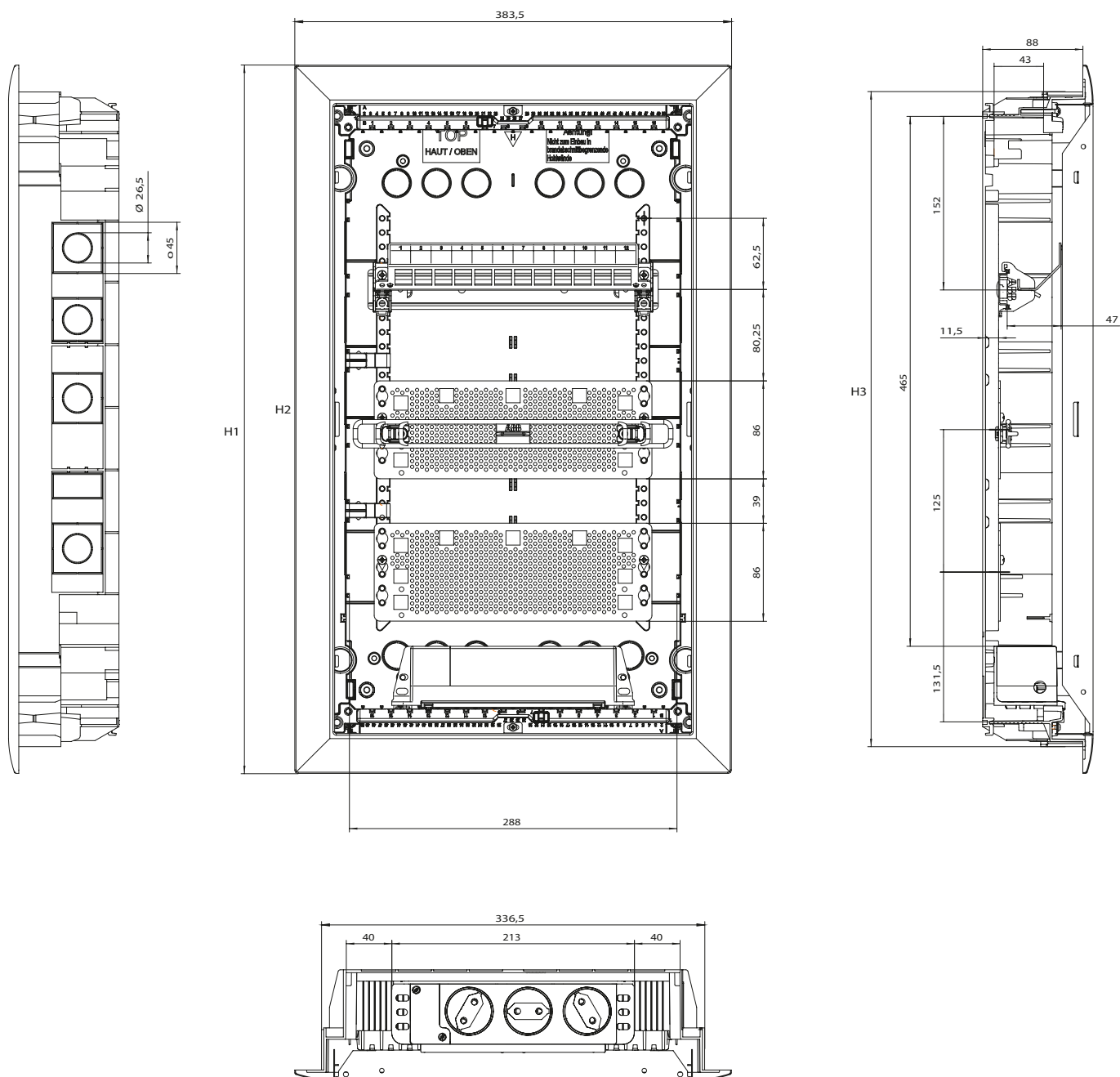


Type	Allowed power loss P _{zul} according to DIN 43671 (W)			Max. output capacity P _{de} in accordance with DIN VDE 60670-24 (W)	Dimensions in mm		
	20KΔT	25KΔT	30KΔT		H1	H2	H3
UK61..	10.0	13.0	16.0	31.0	372	302	325
UK62..	11.5	15.0	19.0	45.0	497	427	450
UK63..	14.5	19.0	24.0	54.0	622	552	575
UK64..	16.5	21.5	27.0	62.0	747	677	700
UK66..				69.0	872	802	825

Note: Niche and wall cut out dimensions see page 10

Consumer units technical details

UK600 – Media enclosure

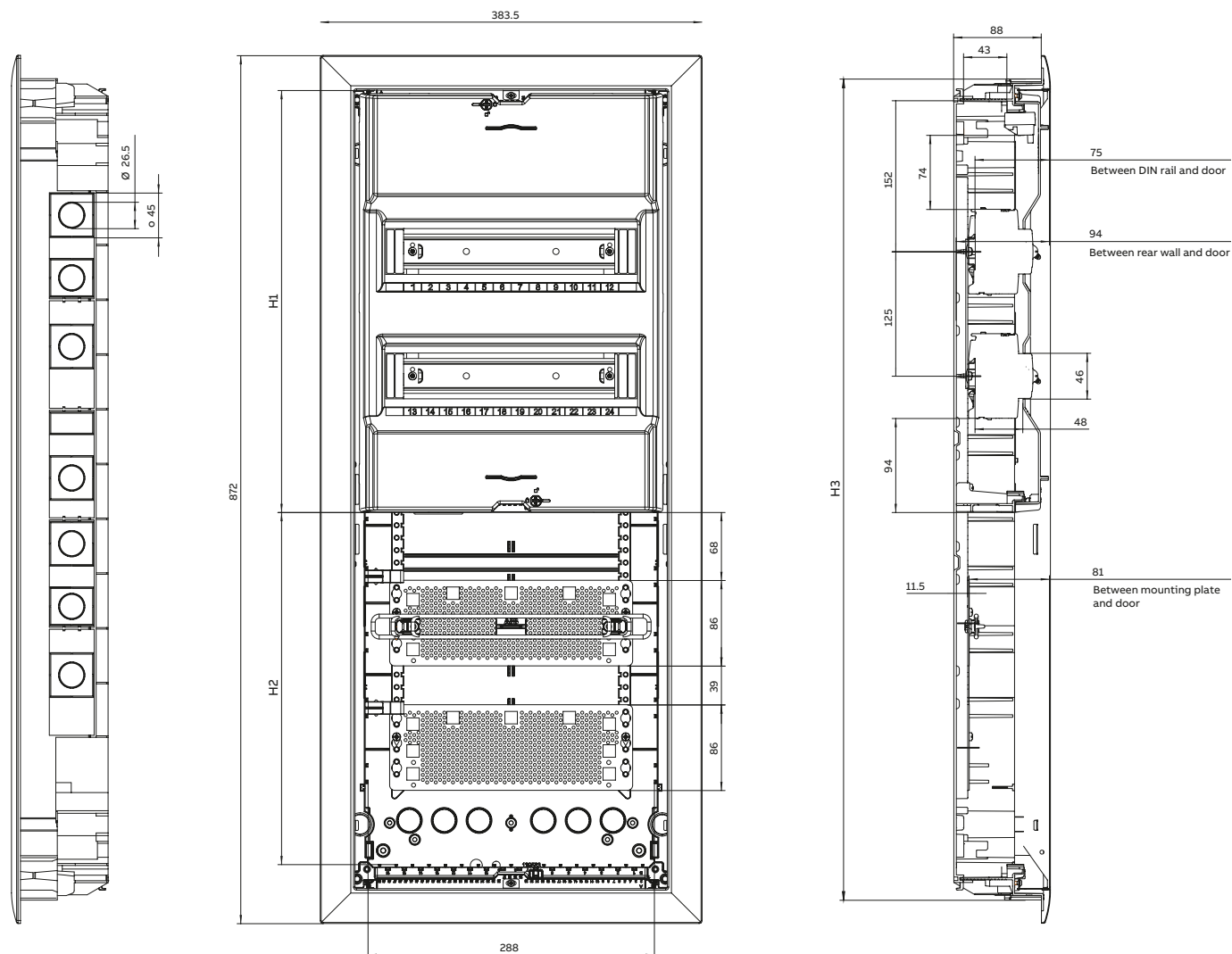


Type	Allowed power loss P _{zul} according to DIN 43671 (W)			Max. output capacity P _{de} in accordance with DIN VDE 60670-24 (W)	Dimensions in mm		
	20KΔT	25KΔT	30KΔT		H1	H2	H3
UK62..	11.5	15.0	19.0	100.0	497	427	450
UK63..	14.5	19.0	24.0	114.0	622	552	575
UK64..	16.5	21.5	27.0	133.0	747	677	700
UK65..				155.0	872	802	825
UK66..							

Note: Niche and wall cut out dimensions see page 10

Consumer units technical details

UK600 – Combi enclosure

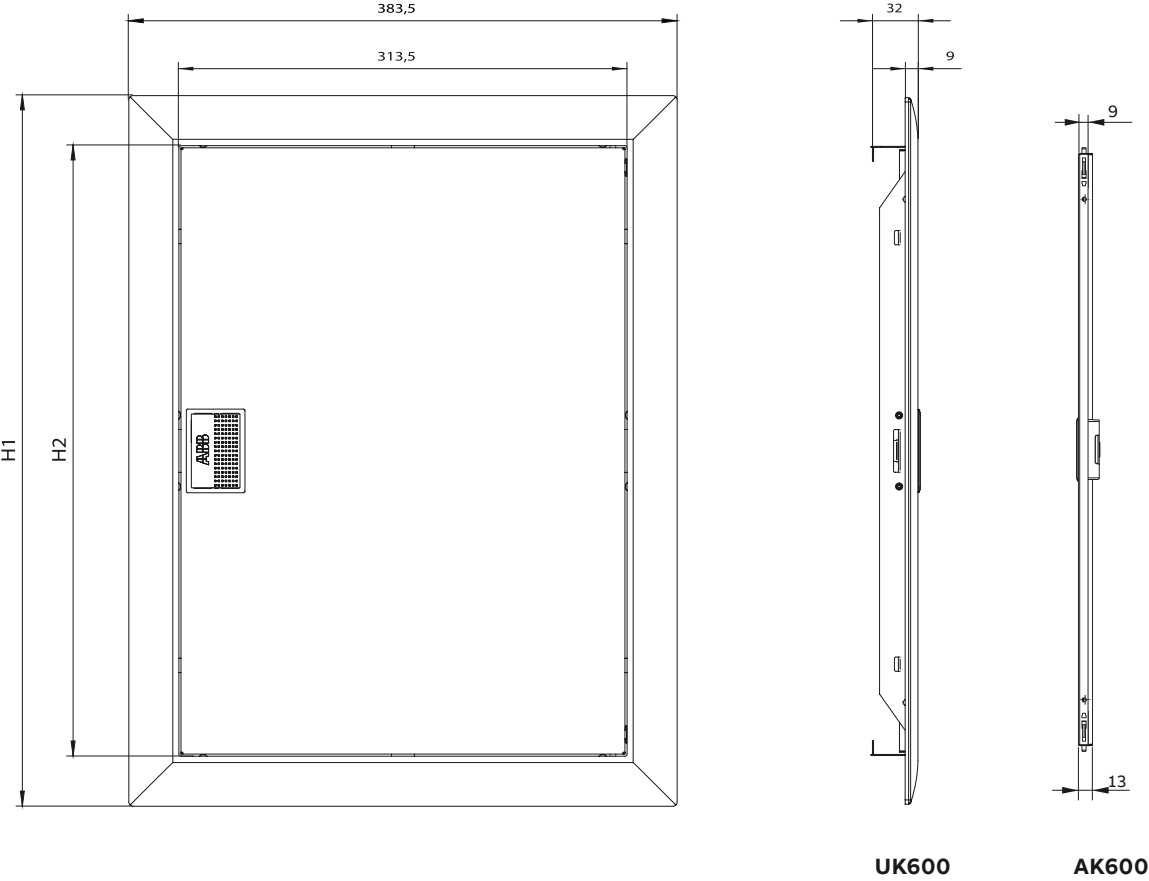


Type	Allowed power loss P _{zul} according to DIN 43671 (W)			Max. output capacity P _{de} in accordance with DIN VDE 60670-24 (W)	Dimensions in mm		
	20KΔT	25KΔT	30KΔT		H1	H2	H3
UK662CV				78.0	424	353	825
UK665CV				73.0	549	228	825
UK662CW				75.0	424	353	825
UK665CW				71.0	549	228	825

Note: Niche and wall cut out dimensions see page 10

Consumer units technical details

AK600 and UK600 - Trimframe and doors



Doors with trim frame

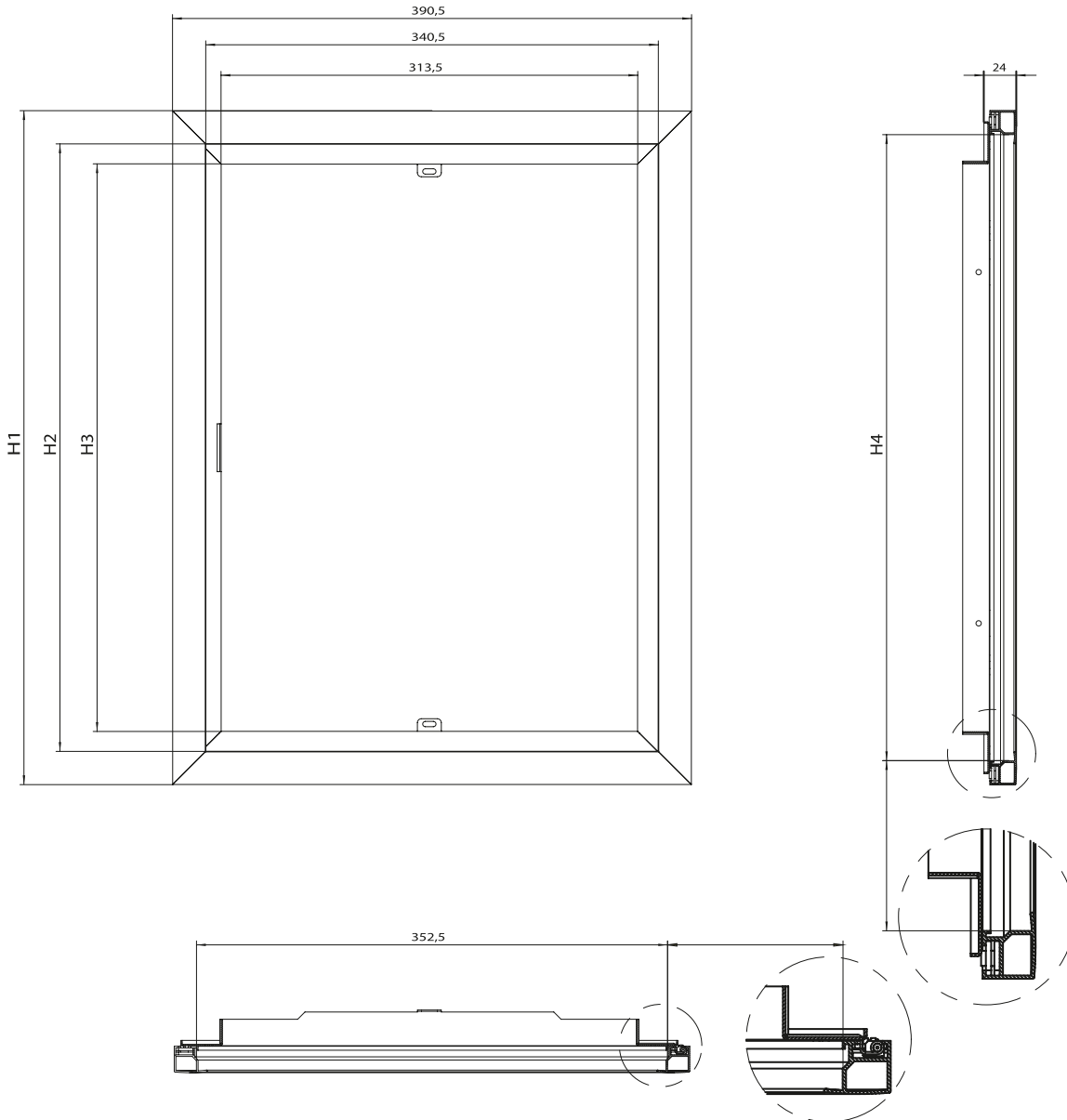
Type	Dimensions in mm	
	H1	H2
BL610	302	372
BL620	497	427
BL630	622	552
BL640	747	677
BL650	872	802

Doors

Type	Dimensions in mm
	H2
AZT610	372
AZT620	427
AZT630	552
AZT640	677
AZT660	802

Consumer units technical details

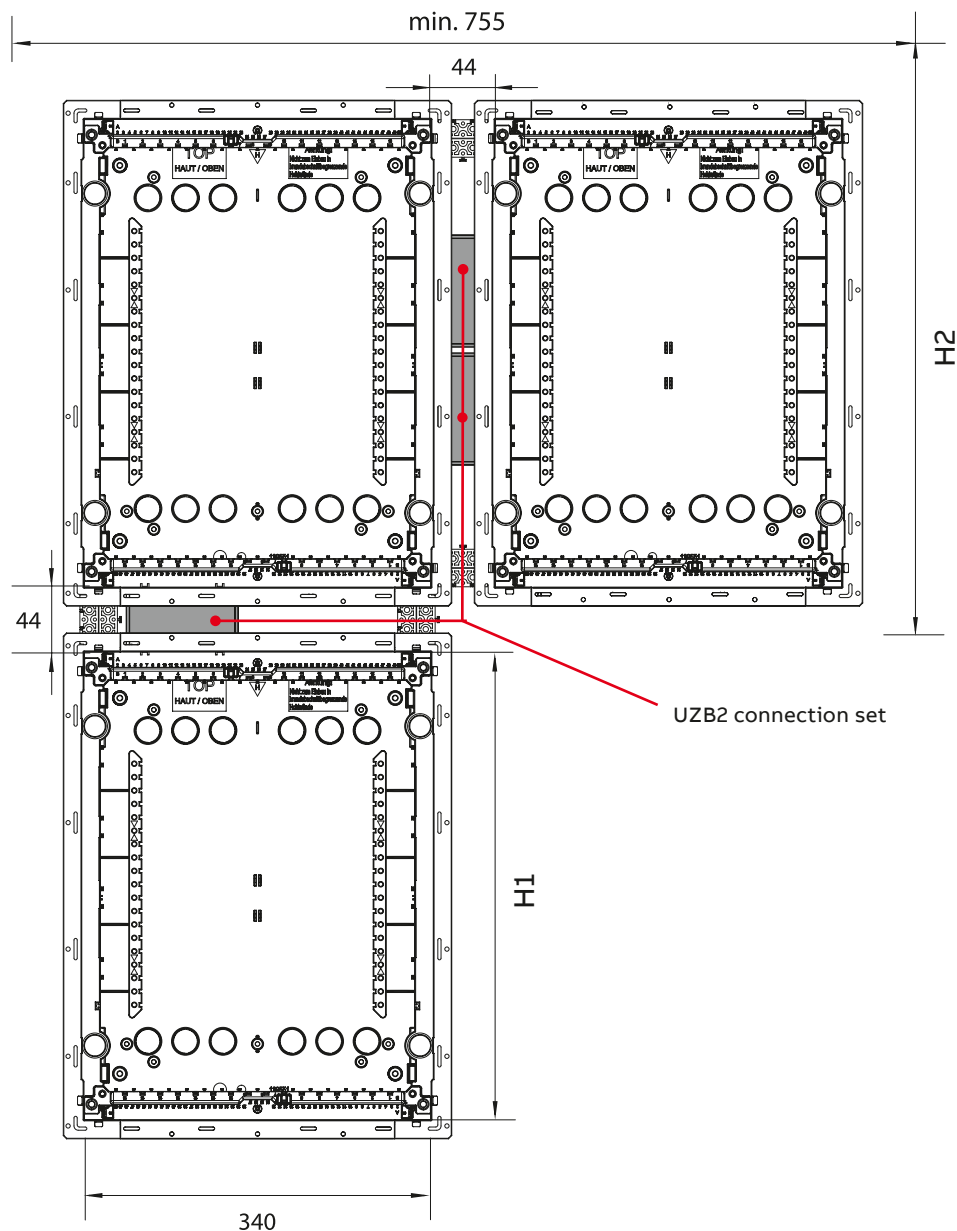
UK600 – Interchangeable design frame



Type	Dimensions in mm				Technical specifications LED panel			
	H1	H2	H3	H4	Type	U	P	Colour temperature
BL520D	507	457	427	469	UZD624	12V DC	9.60 W	4200 K
BL630D	632	582	552	594	UZD634	12V DC	13.20 W	4200 K
BL640D	757	707	677	719	UZD644	12V DC	15.60 W	4200 K
BL650D	882	832	802	844	UZD654	12V DC	19.60 W	4200 K

Consumer units technical details

UK600

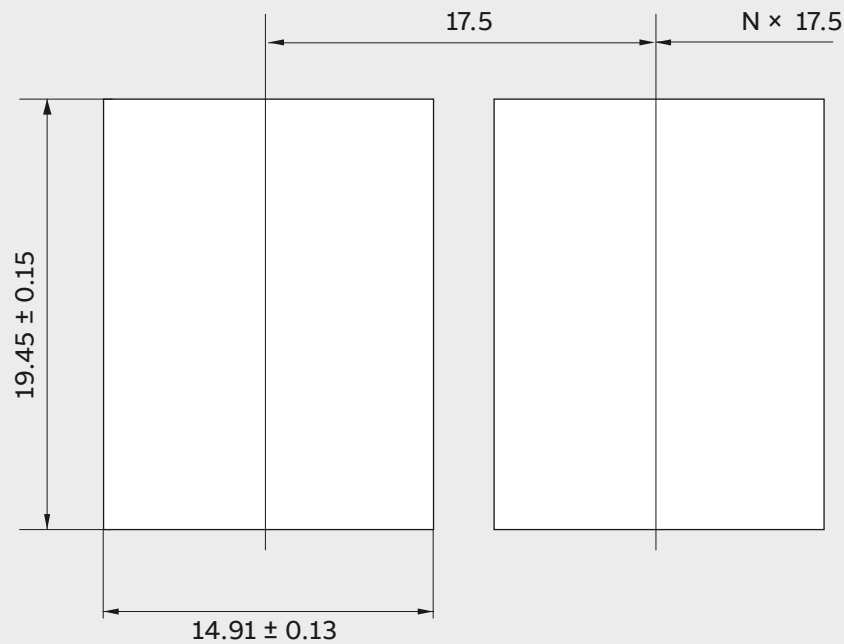


Type	Dimensions in mm	
	Niche dimensions brick wall H1 x W x D	Wall cut out hollow wal H2 x W x D
UK61...	355 x 367 x 95	328 x 340 x 88
UK62...	480 x 367 x 95	453 x 340 x 88
UK63...	605 x 367 x 95	578 x 340 x 88
UK64...	730 x 367 x 95	703 x 340 x 88
UK65...	855 x 367 x 95	828 x 340 x 88
UK66...		

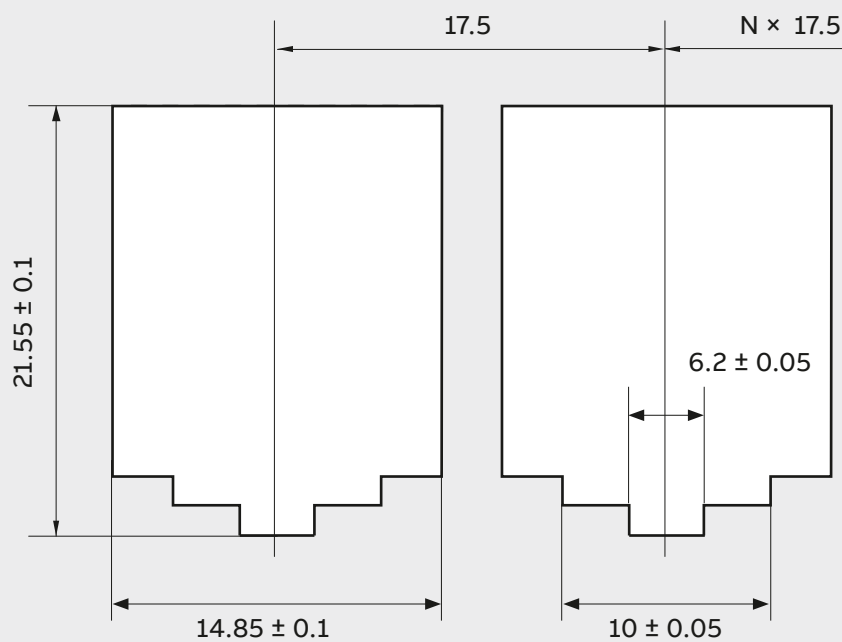
Consumer units technical details

Dimensions of the knockouts for the Keystone- and E-Dat-modules

Patch panel Keystone



Patch panel E-Dat



Consumer units technical details

MISTRAL41F/41W

Table of resistance to chemical agents

	Cold water	Hot water	Sulphuric acid	Hydrochloric acid	Acetic acid	Petroleum	Benzene	Acetone	Ethyl alcohol	Ammonia	Dichloromethane	Diesel oil - Naptha	Mineral oil	Food oils	Tetrachloroethylene	Trichloroethylene	Ether	Ozone	Toluene	Methyl alcohol	Alcohol	Milk	Fruit juices	Fluorocarbons	Detergents	Detergents	Potassium nitrate	Hydrogen peroxide
MISTRAL41F – Flush-mounted	■	■	□	●	■	●	●	●	□	■	●	□	■	■	●	●	●	■	●	□	■	■	■	●	■	■	□	■
MISTRAL41W – Wall-mounted	■	■	□	●	■	●	●	●	□	■	●	□	■	■	●	●	●	■	●	□	■	■	■	●	■	■	□	■

■ resistant

□ partially resistant

● non resistant

Consumer units technical details

MISTRAL41F

MISTRAL41F – Technical details

	1 row	1 row	1 row	1 row	1 row	2 rows
Number of modules	4	6	8	12	18	24
Dimensions (W x H x D) in mm	152 x 202 x 105	192 x 202 x 105	232 x 250 x 108	320 x 250 x 108	430 x 250 x 108	320 x 435 x 108
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque
Protection class	II □	II □	II □	II □	II □	II □
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	15°C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	11 W	14 W	18 W	22 W	27 W	41 W
Extractable frame	Yes	Yes	Yes	Yes	Yes	Yes
Maximum current	63A	63 A	63 A	63 A	125 A	63 A
DIN rail centre distance	–	–	–	–	–	150 mm
Halogen free	Yes	Yes	Yes	Yes	Yes	Yes
Cable entry	Knockout	Knockout	Flange multi pre-cuts	Flange multi pre-cuts	Flange multi pre-cuts	Flange multi pre-cuts

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36 (2 x 18)	36 (3 x 12)	48	54	72
Dimensions (W x H x D) in mm	430 x 435 x 108	320 x 600 x 108	320 x 735 x 108	430 x 600 x 128	430 x 735 x 128
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15°C / + 60 °C	15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	47 W	50 W	59 W	59 W	82 W
Extractable frame	Yes	Yes	Yes	Yes	Yes
Maximum current	125 A	100 A	100 A	125 A	125 A
DIN rail centre distance	150 mm	150 mm	150 mm	150 mm	150 mm
Halogen free	Yes	Yes	Yes	Yes	Yes
Cable entry	Flange multi pre-cuts	Flange multi pre-cuts	Flange multi pre-cuts	Flange multi pre-cuts	Flange multi pre-cuts

Note: the versions with box and frontal splitted have the same characteristics of standard product

Consumer units technical details

MISTRAL41F

MISTRAL41F & Multimedia – Technical details

	1 row	1 row	1 row	1 row	1 row	2 rows
Number of modules	4	6	8	12	18	24
Dimensions (W x H x D) in mm	152 x 202 x 105	192 x 202 x 105	232 x 250 x 108	320 x 250 x 108	430 x 250 x 108	320 x 435 x 108
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque
Protection class	II □	II □	II □	II □	II □	II □
Fire resistance	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	15°C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	11 W	14 W	18 W	22 W	27 W	41 W (Multimedia 61 W)
Extractable frame	Yes	Yes	Yes	Yes	Yes	Yes
Maximum current	63 A	63 A	63 A	63 A	125 A	63 A
DIN rail centre distance	–	–	–	–	–	150 mm
Halogen free	Yes	Yes	Yes	Yes	Yes	Yes
Cable entry	Flange with knockouts	Flange with knockouts	Flange with knockouts	Flange with knockouts	Flange with knockouts	Flange with knockouts

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36 (2 x 18)	36 (3 x 12)	48	54	72
Dimensions (W x H x D) in mm	430 x 435 x 108	320 x 600 x 108	320 x 735 x 108	430 x 600 x 128	430 x 735 x 128
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque	Transparent / opaque
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C	GWT 850 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15°C / + 60 °C	15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C	-15°C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	47 W	50 W (Multimedia 63 W)	59 W	59 W (Multimedia 74 W)	82 W
Extractable frame	Yes	Yes	Yes	Yes	Yes
Maximum current	125 A	100 A	100 A	125 A	125 A
DIN rail centre distance	150 mm	150 mm	150 mm	150 mm	150 mm
Halogen free	Yes	Yes	Yes	Yes	Yes
Cable entry	Flange with knockouts	Flange with knockouts	Flange with knockouts	Flange with knockouts	Flange with knockouts

Note: the versions with box and frontal splitted have the same characteristics of standard product

Consumer units technical details

MISTRAL41W

MISTRAL41W & Multimedia – Technical details

	1 row	1 row	1 row	1 row	1 row	2 rows
Number of modules	2	4	8	12	18	24
Dimensions (W x H x D) in mm	64 x 223 x 95	100 x 223 x 96	207 x 262 x 119	297 x 262 x 119	387 x 262 x 119	297 x 387 x 119
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	No door	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque
Protection class	II □	II □	II □	II □	II □	II □
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	15 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	9,2W	9,3 W	17,7 W	23,8 W	29,8 W	30,2 W (Multimedia 41 W)
Maximum current	63A	63 A	63 A	63 A	63 A	63 A
DIN rail centre distance	–	–	–	–	–	125 mm
Halogen free	Yes	Yes	Yes	Yes	Yes	Yes
Cable entry	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36 (2 x 18)	36 (3 x 12)	48	54	72
Dimensions (W x H x D) in mm	387 x 387 x 119	297 x 512 x 119	297 x 659 x 119	387 x 512 x 119	387 x 659 x 119
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque	No door / transparent / opaque
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15 °C / + 60 °C	15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	37,5 W	36,8 W (Multimedia 48 W)	44,8 W	45,2 W (Multimedia 52 W)	54,4 W
Maximum current	63 A	63 A	63 A	63 A	63 A
DIN rail centre distance	125 mm	125 mm	125 mm	125 mm	125 mm
Halogen free	Yes	Yes	Yes	Yes	Yes
Cable entry	Smooth	Smooth	Smooth	Smooth	Smooth

Note: the versions with box and frontal splitted have the same characteristics of standard product

Consumer units technical details

MISTRAL41W

MISTRAL41W – Technical details

	1 row	1 row	1 row	1 row	1 row	2 rows
Number of modules	2	4	8	12	18	24
Dimensions (W x H x D) in mm	64 x 223 x 95	100 x 223 x 96	207 x 262 x 119	297 x 262 x 119	387 x 262 x 119	297 x 387 x 119
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	No door	No door	No door	No door	No door	No door
Protection class	II □	II □	II □	II □	II □	II □
Fire resistance	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	15 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	9,2 W	9,3 W	17,7 W	23,8 W	29,8 W	30,2 W
Maximum current	63 A	63 A	63 A	63 A	63 A	63 A
DIN rail centre distance	–	–	–	–	–	125 mm
Halogen free	No	No	No	No	No	No
Cable entry	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36 (2 x 18)	36 (3 x 12)	48	54	72
Dimensions (W x H x D) in mm	387 x 387 x 119	297 x 512 x 119	297 x 659 x 119	387 x 512 x 119	387 x 659 x 119
Colour	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white	RAL 9016 white
Door type	No door	No door	No door	No door	No door
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK08	IK08	IK08	IK08	IK08
Reference standard	IEC 60670	IEC 60670	IEC 60670	IEC 60670	IEC 60670
Installation temperature	-15 °C / + 60 °C	15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C	-15 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP41	IP41	IP41	IP41	IP41
Max. dissipation power	37,5 W	36,8 W	44,8 W	45,2 W	54,4 W
Maximum current	63 A	63 A	63 A	63 A	63 A
DIN rail centre distance	125 mm	125 mm	125 mm	125 mm	125 mm
Halogen free	No	No	No	No	No
Cable entry	Smooth	Smooth	Smooth	Smooth	Smooth

Note: the versions with box and frontal splitted have the same characteristics of standard product

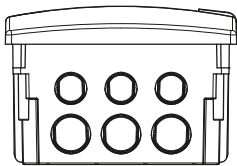
Consumer units technical details

MISTRAL41F

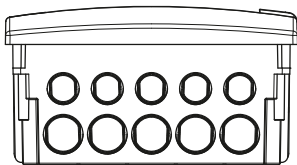
Upper and lower knockouts and precuts

Cable entry

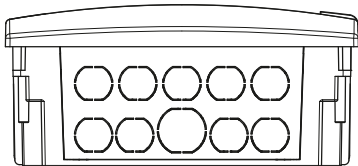
Modules (mm)	diam. 40	diam. 32	diam. 25	diam. 20	Flange
4	–	–	3	3	///
6	–	–	5	5	///
8	–	1	9	–	150 x 55
12	1	8	4	–	240 x 55
18	1	12	2	–	330 x 55



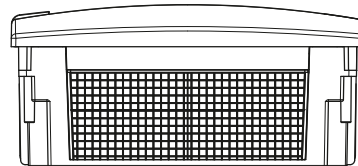
4 modules - top and bottom - concrete and hollow wall



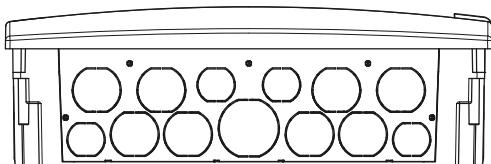
6 modules - top and bottom - concrete and hollow wall



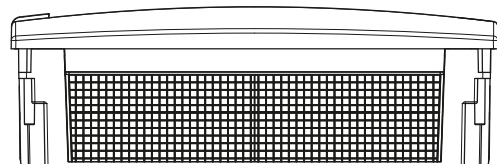
8 modules - top and bottom - hollow wall



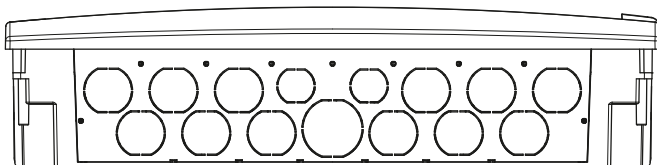
8 modules - top and bottom - concrete wall



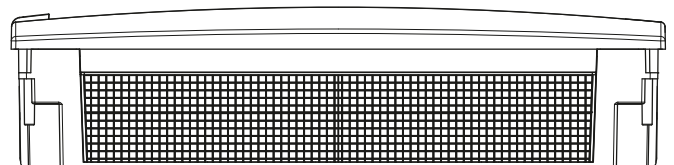
12 modules - top and bottom - hollow wall



12 modules - top and bottom - concrete wall



18 modules - top and bottom - hollow wall



18 modules - top and bottom - concrete wall

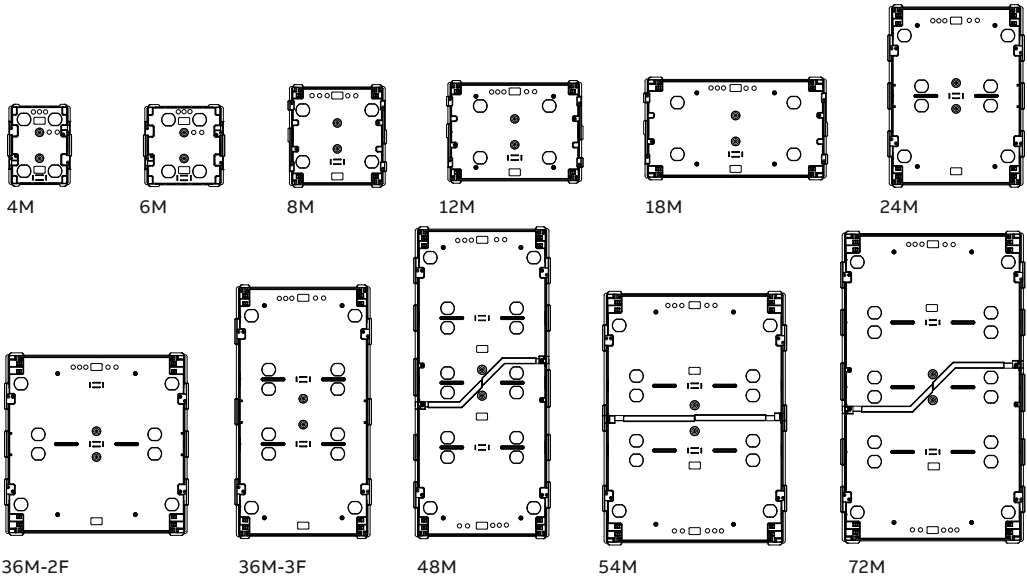
Consumer units technical details

MISTRAL41F

Upper and lower knockouts

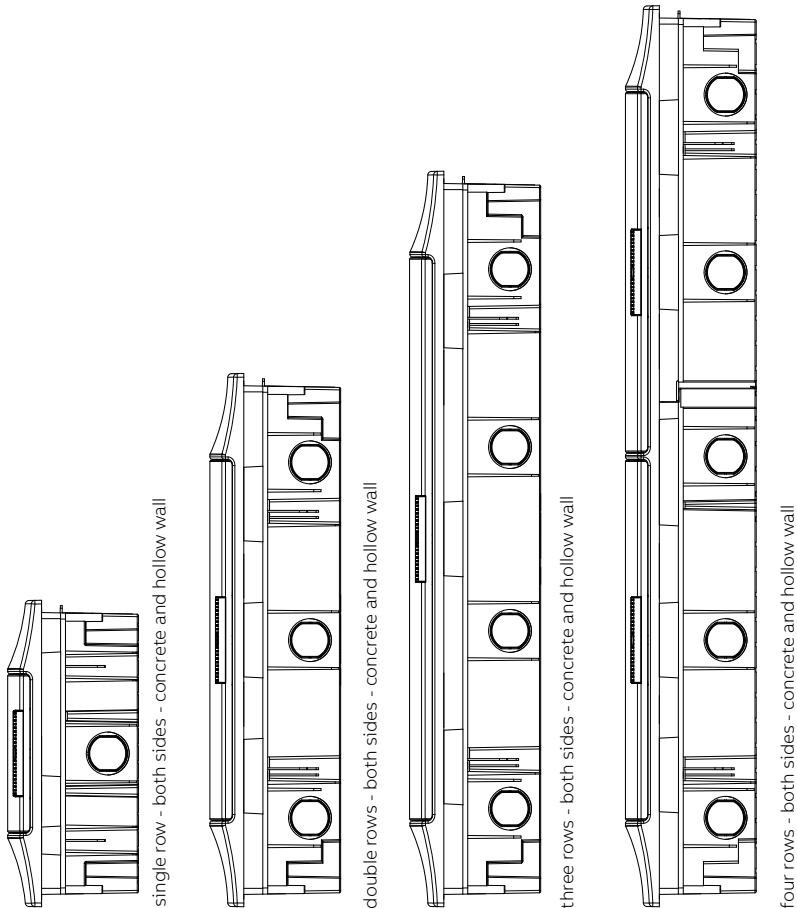
Box

Modules	diam. 32
4 M	4
6 M	4
8 M	4
12 M	4
18 M	4
24 M	8
36 M – 2F	8
36 M – 3F	12
48 M	16
54 M	12
72 M	16



Side

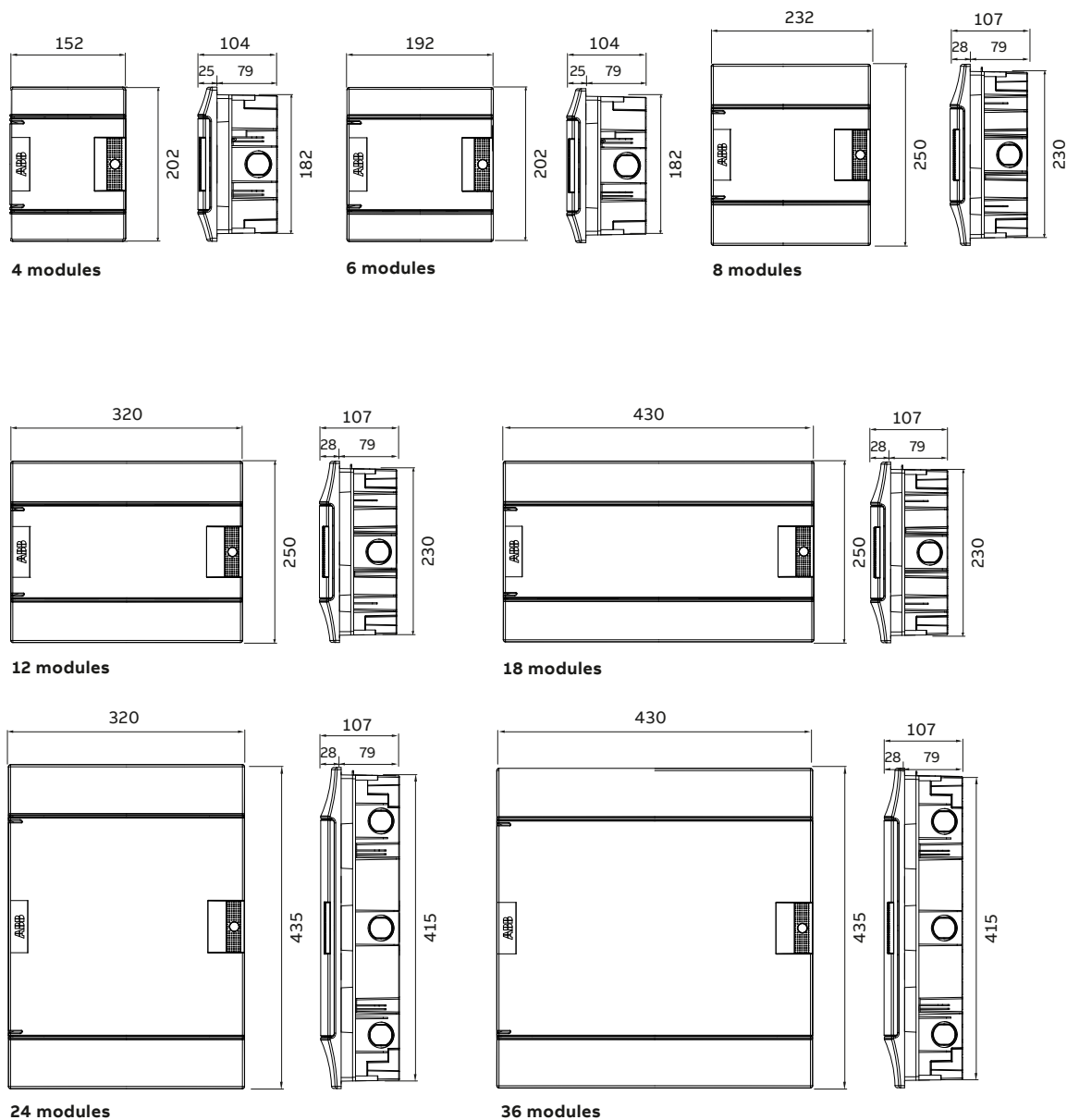
Modules	diam. 32
4 M	1
6 M	1
8 M	1
12 M	1
18 M	1
24 M	3
36 M – 2F	3
36 M – 3F	4
48 M	5
54 M	4
72 M	5



Consumer units technical details

MISTRAL41F

Overall dimensions

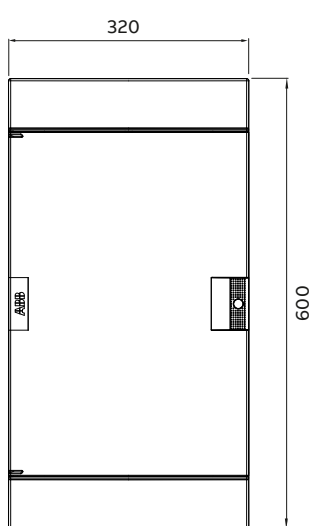


Dimensions in mm

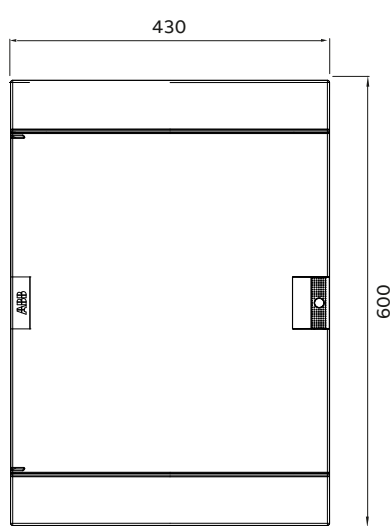
Consumer units technical details

MISTRAL41F

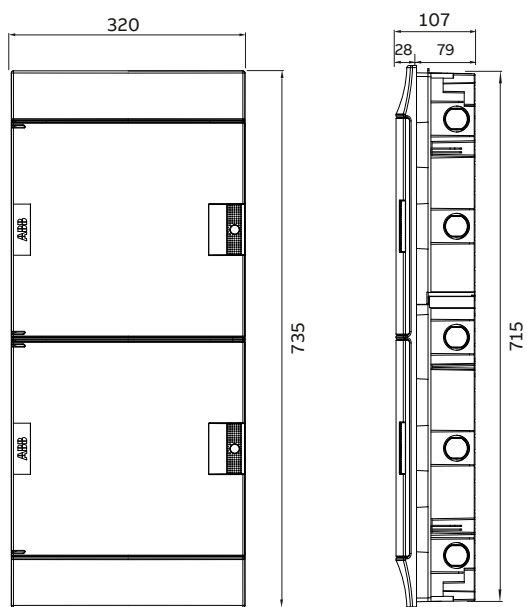
Overall dimensions



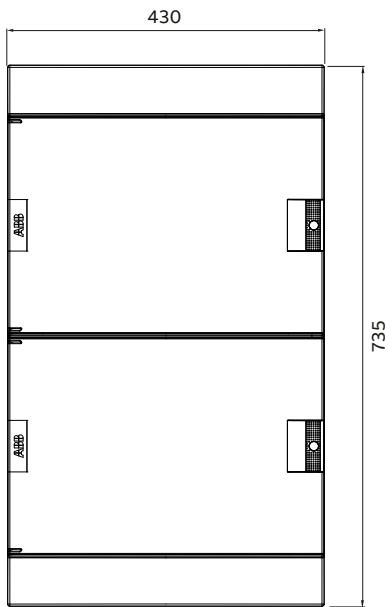
36 modules



54 modules



48 modules



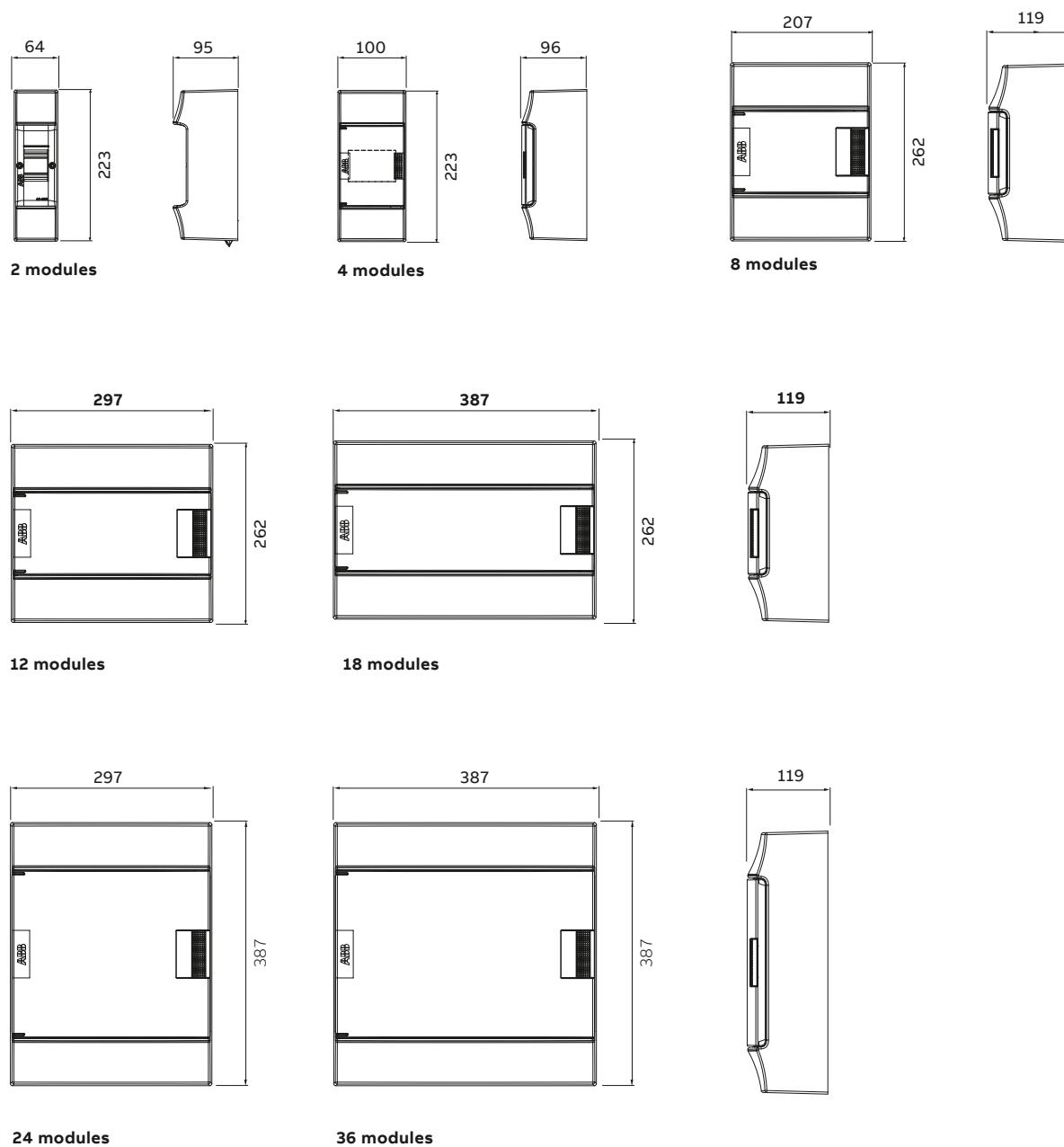
72 modules

Dimensions in mm

Consumer units technical details

MISTRAL41W

Overall dimensions

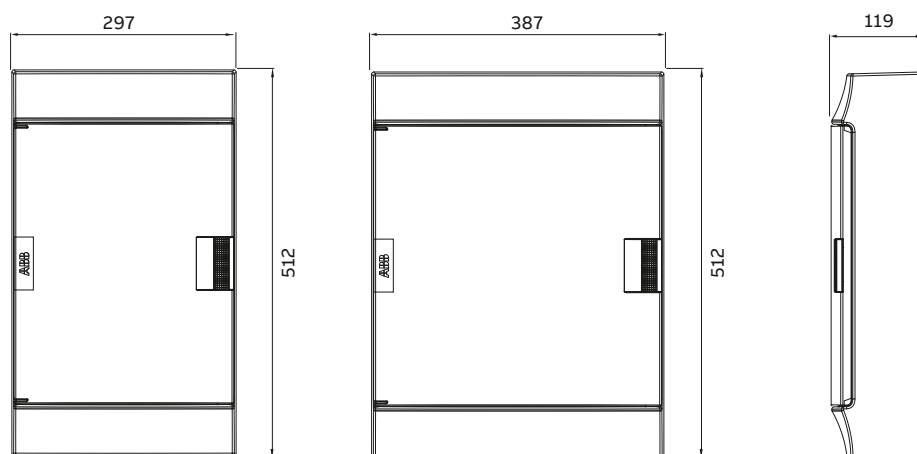


Dimensions in mm

Consumer units technical details

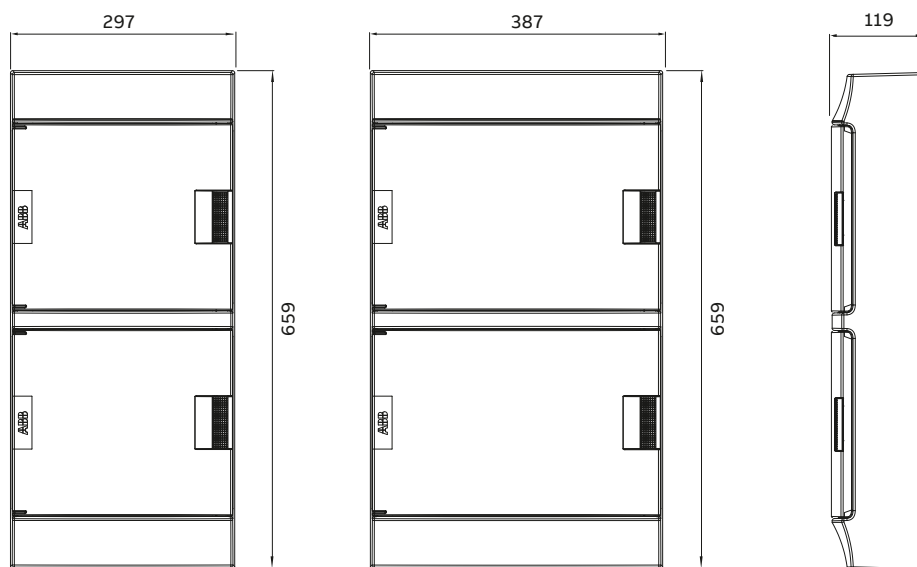
MISTRAL41W

Overall dimensions



36 modules

54 modules



48 modules

72 modules

Dimensions in mm

Consumer units technical details

MISTRAL65 / 65H

Table of resistance to chemical agents

	Cold water	Hot water	Sulphuric acid	Hydrochloric acid	Acetic acid	Petroleum	Benzene	Acetone	Ethyl alcohol	Ammonia	Dichloromethane	Diesel oil - Naptha	Mineral oil	Food oils	Tetrachloroethylene	Trichloroethylene	Ether	Ozone	Toluene	Methyl alcohol	Alcohol	Milk	Fruit juices	Fluorocarbons	Detergents	Potassium nitrate	Hydrogen peroxide
MISTRAL65	■	■	▲	●	■	●	●	●	▲	■	●	▲	■	■	●	●	●	■	●	▲	■	■	■	●	■	▲	■
MISTRAL65H MISTRAL65H switchboards	■	■	▲	●	■	●	●	●	▲	■	●	▲	■	■	●	●	●	■	●	▲	■	■	■	●	■	▲	■

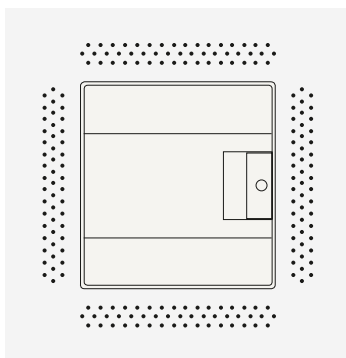
■ resistant ▲ partially resistant ● non resistant

Ingress protection rating IP65

6

First number:
Protection against the penetration of
solid bodies

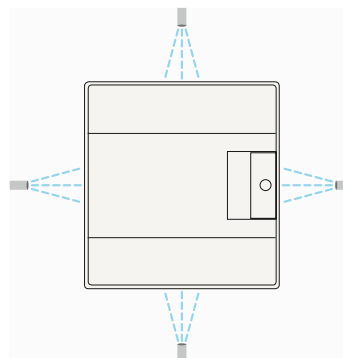
No dust can penetrate



5

Second number:
Protection against the penetration of water

Water projected with a nozzle from all directions
must not cause damage



Shock resistance (IK) – MISTRAL65: IK09 and MISTRAL65H: IK10

Code IK	00	01	02	03	04	05	06	07	08	09	10
Shock energy (Joule)	not protected	0.15	0.2	0.35	0.5	0.7	1	2	5	10	20

Consumer units technical details

MISTRAL65

MISTRAL65 – Technical details

	1 row	1 row	1 row	1 row	2 rows
Number of modules	4	8	12	18	24
Dimensions (W x H x D) in mm	152 x 202 x 117	232 x 250 x 154	320 x 250 x 155	430 x 250 x 155	320 x 435 x 155
Color	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
Door type	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent
Protection class	II 	II 	II 	II 	II 
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Reference standard	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3
Resistance to mechanical impacts	IK09	IK09	IK09	IK09	IK09
Installation temperature	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP65	IP65	IP65	IP65	IP65
Max. dissipation power	12W	20W	27W	32W	34W
Maximum current	63A	63A	63A	125A	125A
Extractable frame	no	no	no	no	yes
Additional module	no	no	yes	yes	yes
Installation of MCCBs	no	yes	yes	yes	yes
DIN rail centre distance	–	–	–	–	150 – 125 mm
Halogen free	yes	yes	yes	yes	yes
Cable entry finish	Smooth	Smooth	Smooth	Smooth	Smooth

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36	36	48	54	72
Dimensions (W x H x D) in mm	430 x 435 x 155	320 x 600 x 155	320 x 735 x 155	430 x 600 x 155	430 x 735 x 155
Color	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
Door type	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent	Opaque / Transparent
Protection class	II 	II 	II 	II 	II 
Fire resistance	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts	IK09	IK09	IK09	IK09	IK09
Reference standard	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3	IEC 60670 & IEC 61439-3
Installation temperature	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP65	IP65	IP65	IP65	IP65
Max. dissipation power	43 W	51 W	64 W	63 W	81 W
Maximum current	125 A	125 A	125 A	125 A	125 A
Extractable frame	yes	yes	yes	yes	yes
Additional module	yes	yes	yes	yes	yes
Installation of MCCBs	yes	yes	yes	yes	yes
DIN rail centre distance	150 – 125 mm	150 – 125 mm	150 – 125 mm	150 – 125 mm	150 – 125 mm
Halogen free	yes	yes	yes	yes	yes
Cable entry finish	Smooth	Smooth	Smooth	Smooth	Smooth

Consumer units technical details

MISTRAL65H

MISTRAL65H – Technical details

	1 row	1 row	1 row	1 row	2 rows
Number of modules	4	8	12	18	24
Dimensions (W x H x D) in mm	152 x 202 x 117	232 x 250 x 154	320 x 250 x 155	430 x 250 x 155	320 x 435 x 155
Color	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
Door type	Trasparent	Trasparent	Trasparent	Trasparent	Trasparent
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts			IK10**		
Reference standards	IEC 62208	IEC 62208	IEC 62208	IEC 62208	IEC 62208
Installation temperature	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP65	IP65	IP65	IP65	IP65
Max. dissipation power	12W	20W	27W	32W	34W
Maximum current	63A	63A	63A	125A	125A
Extractable frame	no	no	no	no	yes
Additional module	no	no	yes	yes	yes
Installation of MCCBs	no	yes	yes	yes	yes
DIN rail centre distance	–	–	–	–	150 – 125 mm
Halogen free	no	no	no	no	no
Cable entry finish	Smooth/Precut	Smooth/Precut	Smooth/Precut	Smooth/Precut	Smooth/Precut

	2 rows	3 rows	4 rows	3 rows	4 rows
Number of modules	36	36	48	54	72
Dimensions (W x H x D) in mm	430 x 435 x 155	320 x 600 x 155	320 x 735 x 155	430 x 600 x 155	430 x 735 x 155
Color	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
Door type	Trasparent	Trasparent	Trasparent	Trasparent	Trasparent
Protection class	II □	II □	II □	II □	II □
Fire resistance	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C	GWT 750 °C
Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Resistance to mechanical impacts			IK10**		
Reference standards	IEC 62208	IEC 62208	IEC 62208	IEC 62208	IEC 62208
Installation temperature	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C	-25 °C / + 60 °C
Resistance to heat	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C	BPT 70 °C
IP rating	IP65	IP65	IP65	IP65	IP65
Max. dissipation power	43 W	51 W	64 W	63 W	81 W
Maximum current	125 A	125 A	125 A	125 A	125 A
Extractable frame	yes	yes	yes	yes	yes
Additional module	yes	yes	yes	yes	yes
Installation of MCCBs	yes	yes	yes	yes	yes
DIN rail centre distance	150 – 125 mm	150 – 125 mm	150 – 125 mm	150 – 125 mm	150 – 125 mm
Halogen free	no	no	no	no	no
Cable entry finish	Smooth/Precut	Smooth/Precut	Smooth/Precut	Smooth/Precut	Smooth/Precut

* For the switchboards, modules indicate size

** IK08 in the area of knockouts

Consumer units technical details

MISTRAL65/65H

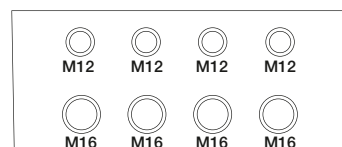
Upper and lower knockouts

Cable glands

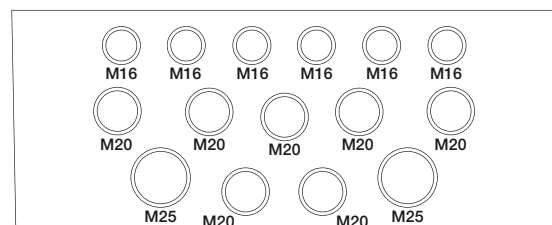
Modules		diam. 16	diam. 20	diam. 25
4	04 x 1	2	–	–
8	08 x 1	3	3	–
12	12 x 1	2	2	2
24	12 x 2	5	5	2
36	12 x 3	5	5	2
48	12 x 4	5	5	2
18	18 x 1	2	2	2
36	18 x 2	5	5	2
54	18 x 3	5	5	2
72	18 x 4	5	5	2

Holes

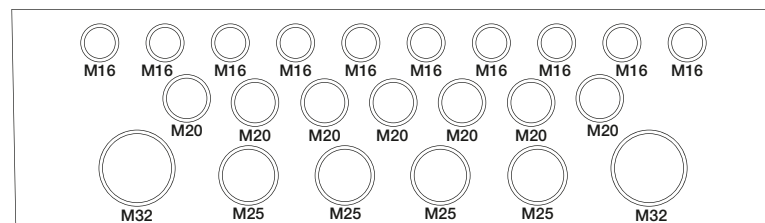
Modules		diam. 12	diam. 16	diam. 20	diam. 25	diam. 32
4	04 x 1	4	4	–	–	–
8	08 x 1	–	6	7	2	–
12	12 x 1	–	10	7	4	2
24	12 x 2	–	10	7	4	2
36	12 x 3	–	10	7	4	2
48	12 x 4	–	10	7	4	2
18	18 x 1	–	14	9	4	2
36	18 x 2	–	14	9	4	2
54	18 x 3	–	14	9	4	2
72	18 x 4	–	14	9	4	2



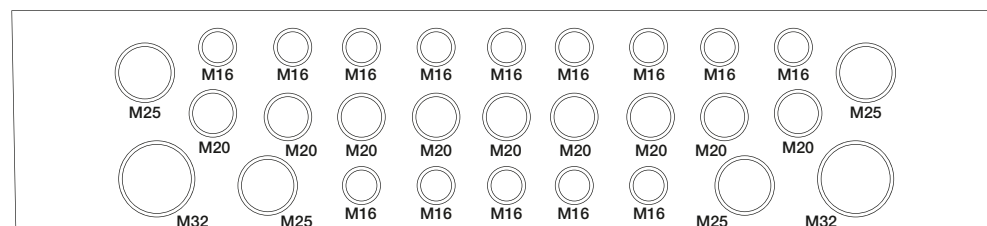
4 modules – top and bottom



8 modules – top and bottom



12 modules – top and bottom

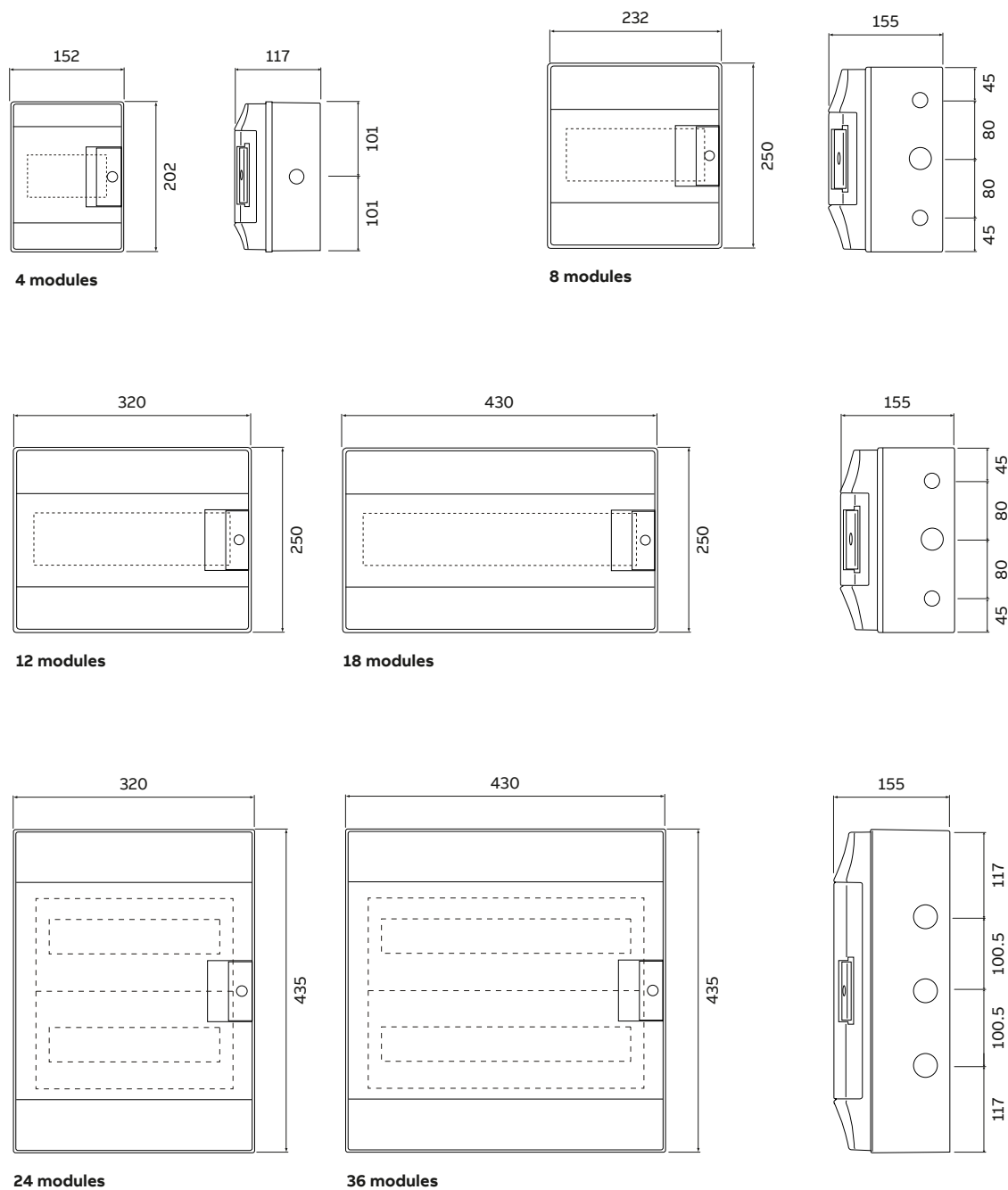


18 modules – top and bottom

Consumer units technical details

MISTRAL65/65H

Overall dimensions

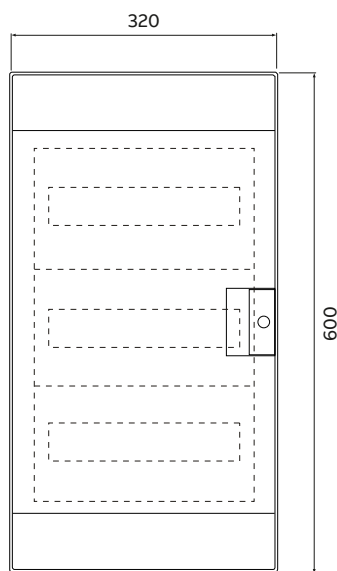


Dimensions in mm

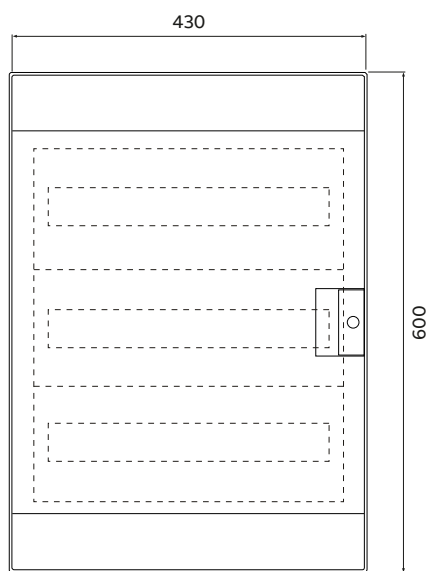
Consumer units technical details

MISTRAL65/65H

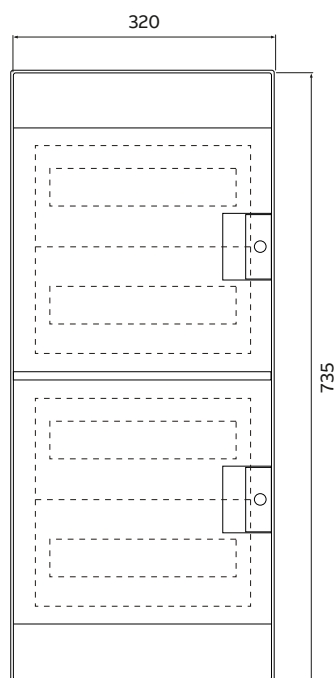
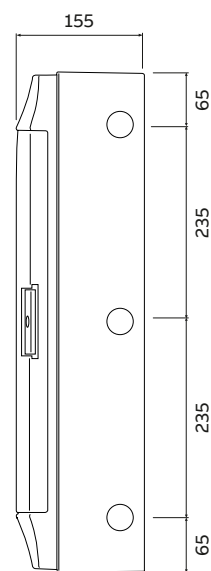
Overall dimensions



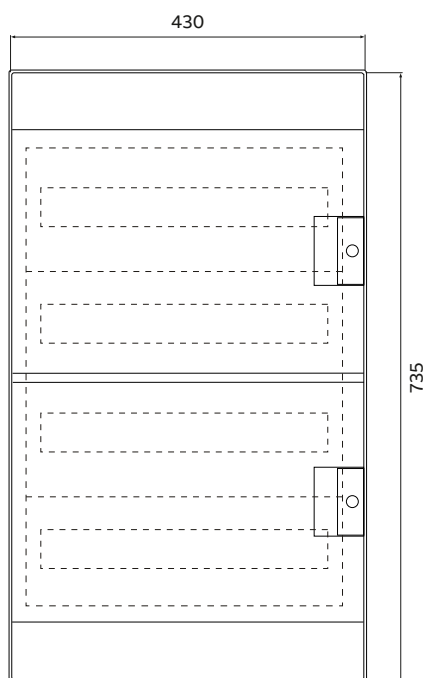
36 modules



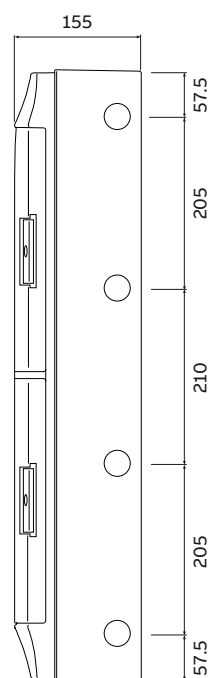
54 modules



48 modules



72 modules

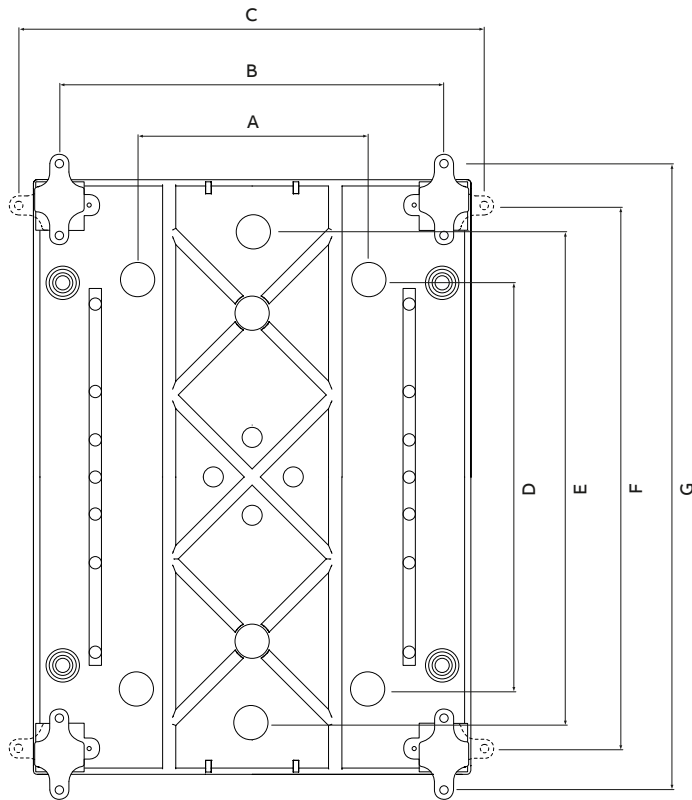


Dimensions in mm

Consumer units technical details

MISTRAL65 / 65H

Fixing template



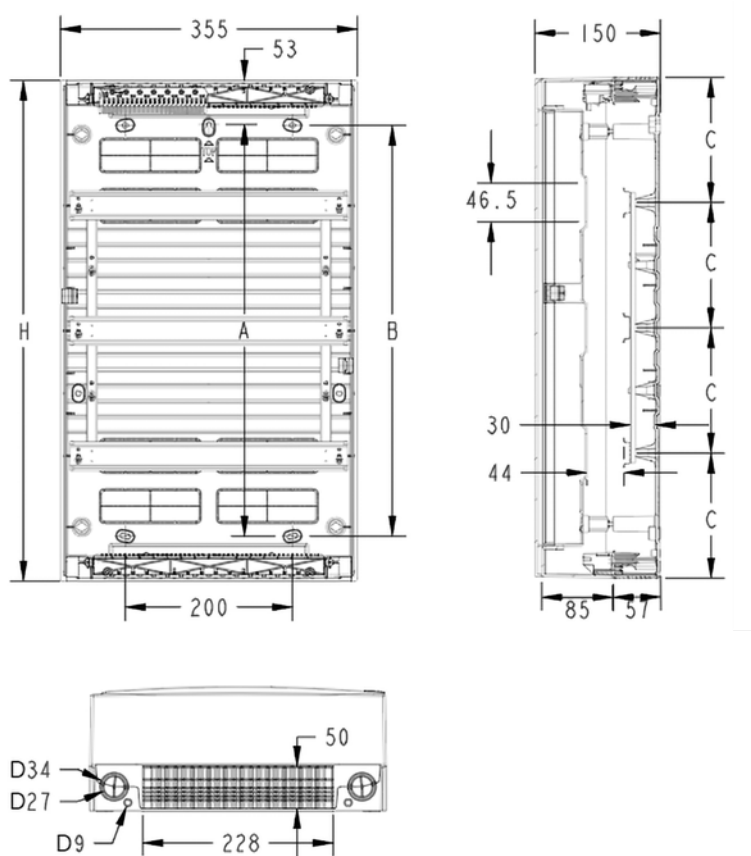
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
4 PLE	–	113	173	–	140	163	223.5
8 PLE	90	194	254.5	180	–	212	272.5
12 PLE	170	282.5	343	180	–	212	272.5
18 PLE	280	392	452.5	125	175	212	272.5
24 PLE	170	282.5	343	310	360	397	457.5
36 PLE – 2 F	280	392	452.5	310	360	397	457.5
36 PLE – 3 F	170	282.5	343	475	525	562	622.5
48 PLE	170	282.5	343	610	660	697	757.5
54 PLE	280	392	452.5	475	525	562	622.5
72 PLE	280	392	452.5	610	660	697	757.5

Consumer units technical details

Fix-o-rail 150

FOR150 IP40 wall mounting consumer units

Codes	1 row	2 row	3 row	4 row
Number of Modules	18	36	54	72
Colour	RAL 9010 white	RAL 9010 white	RAL 9010 white	RAL 9010 white
With transparent door	YES	YES	YES	YES
With opaque door	YES	YES	YES	YES
Without door	NO	NO	NO	NO
Double Insulation	YES	YES	YES	YES
Resistance to Heat	GWT 650°C	GWT 650°C	GWT 650°C	GWT 650°C
Type of Material	Thermo-plastic	Thermo-plastic	Thermo-plastic	Thermo-plastic
Shock Resistance	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)	2 Joule (IK 07)
Installation Temperature	-5°C ÷ +40°C	-5°C ÷ +40°C	-5°C ÷ +40°C	-5°C ÷ +40°C
IP	IP 40	IP 40	IP 40	IP 40
Maximum current	up to 80 A	up to 80 A	up to 100 A	up to 100 A
Max Dissipation Power	30 W	40 W	50 W	60 W
Wire holdes comp	Accessories	Accessories	Accessories	Accessories
Halogen free	YES	YES	YES	YES
Extractable DIN Rails	YES	YES	YES	YES
Media Enclosures	NO	NO	YES	YES



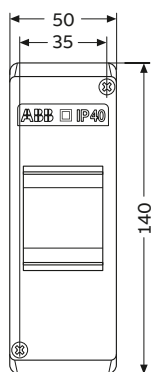
Dimensions (mm)

Type	H	A	B	C
1 row - 18 mod.	270	163	162	135
2 rows - 36 mod.	450	343	342	150
3 rows - 54 mod.	600	493	492	150
4 rows - 72 mod.	750	643	642	150

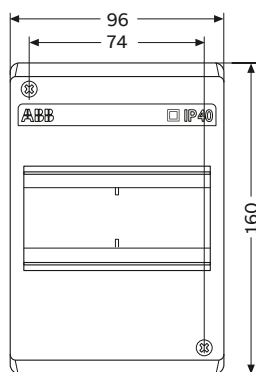
Consumer units technical details

Mini Europa40

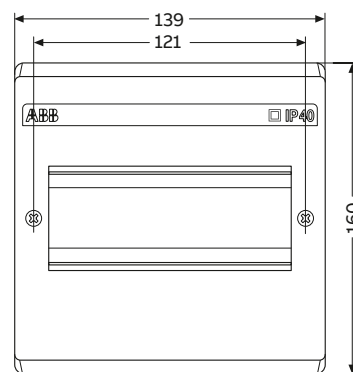
Front view



2 modules

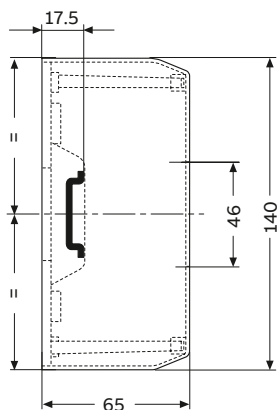


4 modules

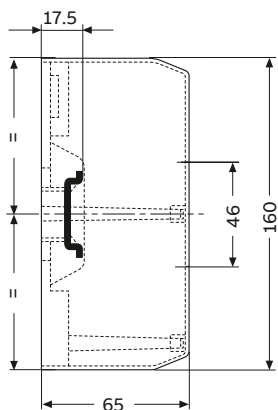


6 modules

Side view



2 modules



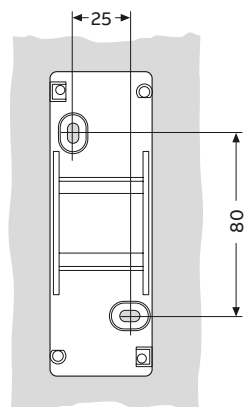
4-6 modules



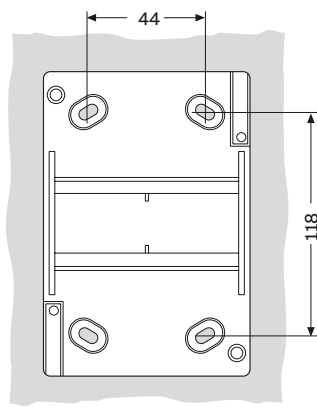
Consumer units technical details

Mini Europa40

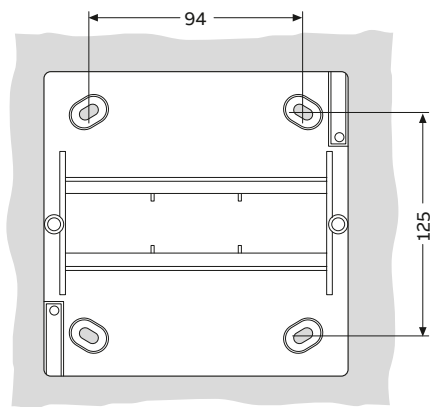
Drilling sheets



2 modules



4 modules

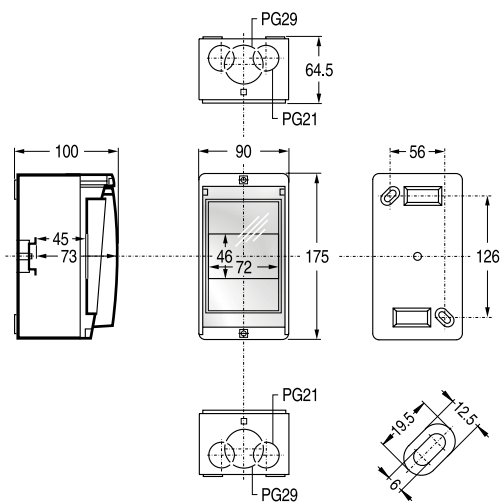


6 modules

Consumer units technical details

Fix-o-Rail Junior

4 modules



8 modules

