

Domae: the right solution for every home

Household
Switchboards



Catalogue

2009

Schneider
Electric

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A Manufacturer's Know-how...

Safety of people and equipment is top on the list of priorities for electrical installation professionals who must demand products designed and produced by a manufacturer, guaranteeing:

- compliance with electrical switchgear manufacturing standards,
- a high performance industrial process, producing quality switchgear complete with their quality certificates.

Conform to European and international standards



Schneider Electric guarantees conformity of Domae products to European and international standards for construction of equipment intended for domestic and similar installations:

- > **EN 60898 - IEC 60898:**
"Overcurrent protection circuit-breakers".
- > **EN 61008 - IEC 61008:**
"Automatic residual current circuit-breakers".
- > **EN 61095 - IEC 61095:**
"Electromechanical contactors".
- > **EN 61669 -2 -2 - IEC 61669 -2 -2:**
"Electromagnetic remote control switches (impulse relays)" a specific specification taken from the "Fixed installation switch" standard.
- > **IEC 61643 -1:**
"Overvoltage protection devices connected to LV distribution networks".
- > **IEC 60670:**
"General rules concerning switchgear enclosures for fixed electrical installations for household or similar use".

Install according to proper practices

Standard EN 60364 - IEC 60364
"Electrical installation in buildings" defines switchgear installation rules.

The installation diagrams and recommendations proposed in this guide conform to this standard.

For Domae, ISO 9001/2000 certified production plants



Benefiting from the international experience of the 26 Schneider Electric modular switchgear development and production plants, the Domae switchgear are all produced in ISO 9001/ 2000 certified plants.

From design through to dispatch, ISO certification guarantees professional organisation and consistent quality of products.





Guaranteed Quality

Domae : Aenor approved

The quality marks prove product conformity to their reference standard. They guarantee:

- safety of installers,
- suitability of products for their use.

Schneider Electric guarantees that all Domae switchgear will have the Aenor  quality mark.

This approval was awarded on completion of tests performed in an approved laboratory in the presence of independent third parties. This third-party organisation monitors conformity to the quality mark by means of new tests conducted after random sampling.



*For electrocution protection:
Domae residual current circuit-breakers*



*For short-circuit and overload protection:
Domae circuit-breakers*



*For control:
Domae switches*



*For easy installation:
Disbo and Mini Pragma enclosures*



*For quick connection:
Domae comb busbars*



*For lightning protection:
Surge arresters*



*For audible indication:
Bells / buzzers
For remote control:
Impulse relay and contactor*

CE marking

An administrative formality for free movement and sales on the European Union territory.

Made compulsory by European directives, CE marking of Domae products satisfies both administrative and legal requirements: intended for European supervisory authorities (customs), the “CE marking” declarations and files are prepared under the manufacturer’s sole responsibility and undergo no conformity checking by a third-party organisation.

Only the quality marks, issued and checked by an independent third-party organisation, provide complete guarantee of operation, compatibility and safety according to national and international standards.

Domae



A Comprehensive Range...

Domae products can be easily identified by their new design



1- Connection terminals:
terminals with guard
for rigid copper cables

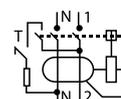
**2- Neutral pole position
indicator: N**

3- Position handle:
ON/OFF with 0/I indicator

4- Sales catalogue number

5- Clamping screw:
Screw head: 5 mm blade
or PZ2 recessed

6- Diagram



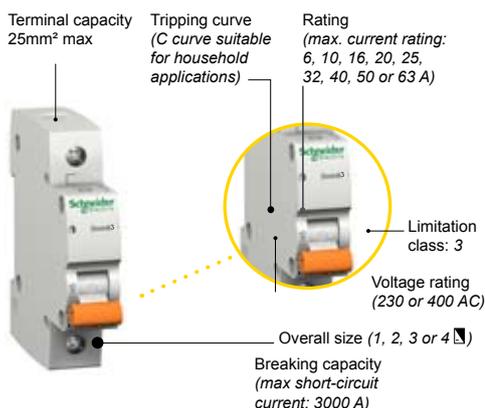
7- Brand: Schneider Electric

8- Technical information

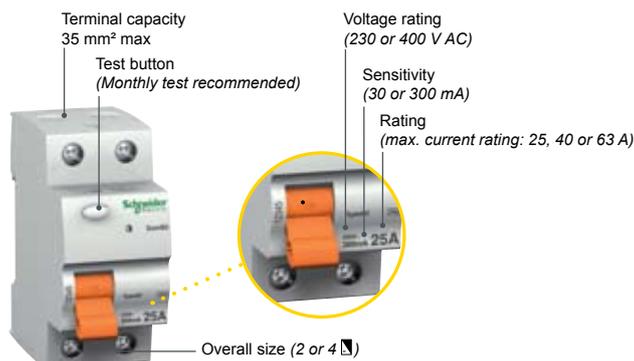
9- Marking zone:
18x12 mm user labels
(SISmarker type recommended)

**10- Identification of the household
range:**

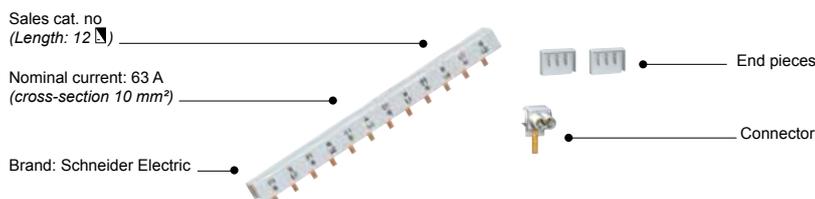
Domae circuit-breaker



Domae residual current circuit-breaker



Domae comb busbar



Surge arrester, Contactor, Impulse relay



To perform lightning protection and remote functions, surge arresters, impulse relays and contactors can be incorporated in all *Mini Pragma* switchboards.



.... Adapted Solutions

Disbo Extra Enclosures

There is at least one **Disbo Extra™ Single Phase** that meets your requirement

> Where safety meets design

The new electrical distribution board **Disbo Extra™ Single Phase** consists of a range of metallic enclosures with renewed design and more safety. **Disbo Extra™ Single Phase** is specially suited for housing and commercial buildings.

- **Disbo Extra™ Single Phase** in all aspects from design, safety and installation.
- **Disbo Extra™ Single Phase** can easily be recognised with its unique and attractive front cover with 5 different colors end caps.
- **Disbo Extra™ Single Phase** provides optimum protection for both installers and end-users.

> A comprehensive system for quality and peace of mind

Disbo Extra™ Single Phase is a durable product manufactured by Schneider Electric the world leader in power distribution.

Disbo Extra™ Single Phase enclosure range is adapted to a large variety of requirements:

- single phase
- current rating up to 100A
- 2 types: row and tested busbars
- from 6 to 12 ways
- Tested busbar according to IEC60439
- Tested busbar type supplied with incoming device
- flush or surface mounted
- Using Schneider Electric protective devices
- blank plate provided as standard
- 5 different end cap colors

Disbo Extra™ Single Phase is specifically designed to accommodate Schneider Electric devices for protection of people and equipment, through its large choice of incomers (switch disconnecter, Miniature Circuit Breaker) and outgoing Miniature Circuit Breaker (Multi 9 and Domae range).

> Ergonomics and accessibility

- **Disbo Extra™ Single Phase** architecture ensures extremely simple installation and connection for the installer.
- Enough space is provided for good visibility and easy cable insertion.
- **Disbo Extra™ Single Phase** is designed for convenient and fast wall mounting, with numerous possibilities for cable inlet and easy knock-out.
- Clear labels make easier identification of outgoing circuit breakers, earth and neutral.



A comprehensive offer from 6 to 14 ways

There is at least one **Disbo Extra™ Single Phase** that meets your requirement

> Where safety meets design

The new electrical distribution board **Disbo Extra™** consists of a range of metallic enclosures with renewed design and still more safety.

• **Disbo Extra™** is integrated better still into buildings, whether in housing or commercial buildings.

With a step ahead, Schneider Electric innovates in all aspects of the product in term of design, safety and installation.

• **Disbo Extra™** can easily be recognised with its unique and attractive front door shape, available in more than 18 colors.

• **Disbo Extra™** provides optimum protection for both installers and end-users:

- equipped with completely insulated busbar, direct contact with live parts is prevented.
- type tests performed by ASTA laboratory (UK) certify that **Disbo Extra™** complies with IEC 60439- 3 standard.

Thanks to its clever carton box, including cement spill protection and repacking function, **Disbo Extra™** is easier to install.

> A comprehensive system for quality and peace of mind

Disbo Extra™ is a durable product manufactured by Schneider Electric the world leader in power distribution.

Disbo Extra™ enclosure range is adapted to a large variety of requirements:

- safe and elegant door lock
- flush or surface mounted
- 3 phases
- from 12 to 54 ways
- current rating up to 250 A
- all Schneider Electric protective devices
- wide choice of options and accessories

Disbo Extra™ is specifically designed to accommodate Schneider Electric devices for protection of people and equipment, through its large choice of incomers (switch disconnecter, Miniature Circuit Breaker, Moulded Case Circuit Breaker, earth leakage protection device), and outgoing Miniature Circuit Breaker (Multi 9 and Domae range).

You will certainly find the solution to your needs with **Disbo Extra™**.





Protection of electric circuits against overloads and short-circuits.

DOMAE circuit-breakers 1P, 2P, 3P from 6 A to 40 A

Technical data

Approval	AENOR
Compliance with standards	EN 60898, IEC 60898
Marking	Zone for pasting markers or pictograms on the front face
Connection by tunnel terminals	25 mm ² max. rigid copper cable

Type	Width in mod. of 9 mm	Voltage rating (V AC)	Breaking capacity (A)	Rating (A)	Cat. no. C curve
1P 	2	230	6 000	6	17044
				10	17045
				16	17046
				20	17047
				25	17048
				32	17049
2P 	4	230	6 000	6	17058
				10	17059
				16	17060
				20	17061
				25	17062
				32	17063
3P 	6	400	6 000	6	17078
				10	17079
				16	17080
				20	17081
				25	17082
				32	17083
				40	17084





Protection of electric circuits against insulation faults.

- 30 mA protection of people
- 300 mA fire protection

Control of on-load electric circuits, already protected against overloads and short-circuits.



Rating $I_n \leq 40$ A



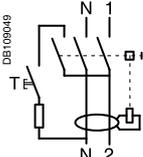
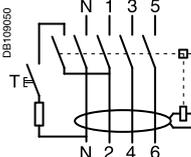
Rating $I_n 63$ A



DOMAE RCCBs 2P, 4P from 25 to 63 A 16790 ... 16812

Technical data

Approval	AENOR
Compliance with standards	EN 61008
Built-in residual current device AC type	 Common use, protected against nuisance tripping due to transient surges: lightning stroke, device switching on network, etc.
Test button	Used to check proper operation of the residual current device.
Marking	Zone for pasting markers or pictograms on the front face
Connection by tunnel terminals	35 mm ² max. rigid copper cable 25 mm ² max. flexible copper cable

Type	Width in mod. of 9 mm	Voltage rating (V AC)	Rating (A)	Sensitivity (mA)	Cat. no.
1P + neutral 	4	230	25	30	16790
				300	16792
			40	30	16793
				300	16795
3P + neutral 	8	400	25	30	16807
			40	30	16810
				300	16812
			63	30	16794
			300	16796	



Protection of electric circuits and electronic equipment against indirect overvoltages due to lightning effect.

Function

- Includes lightning protection and an end of life safety disconnecter.
- Pre-equipped with a connection accessory for the electrical link between the surge arrester and the incoming residual current circuit-breaker (1P+N only), an earthing terminal block and a connecting cable, for quick implementation in compliance with installation rules.

DOMAE Surge arresters 1P+N & 3P+N 16612 ... 16613

Technical data

Compliance with standards	IEC 60364 Guide EN 61643-12 Product standard: EN 61643-11 Type 2 IEC 61643-1 T2	
Maximum discharge current I_{max} (8/20)	10 kA	
Nominal discharge current I_n (8/20)	5 kA	
Breaking capacity at 50 Hz	6 kA	
Level of protection U_p (I_n)	< 1500 V	
Maximum continuous operating voltage U_c	In common mode CM	275 V (phase-to-earth, neutral-to-earth)
	In differential mode DM	275 V (phase-to-neutral)
Rated voltage U_n	1P+N: 230 V AC	
	3P+N: 230/400 V AC	
Rated frequency	50/60 Hz	
End of life indication	Red mechanical indicator and toggle in OFF position	
Connection by tunnel terminals	Phase and neutral	16 mm ² rigid copper cable
	Earth	16 mm ² rigid copper cable
Delivered with	Lug to be crimped for earthing cable	

Type	Width in mod. of 9 mm	Cat. no.
Domae Quick PF 10 kA 1P+N	4	16612
Domae Quick PF 10 kA 3P+N	10	16613

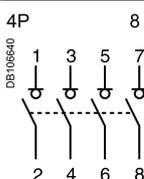
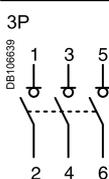
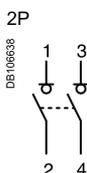
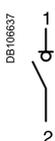




Control and disconnection of on-load electrical circuits already protected against overloads and short-circuits.

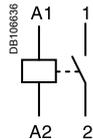
DOMAE Switches		12456 ... 12467
Technical data		
Approval	VDE, AENOR, GOST	
Compliance with standards	EN 60669-1, IEC 60669-2-4	
Marking	Zone for pasting markers or pictograms on the front face	
Disconnection	Yes according to IEC 60669-2-4	
Manual control	On front face by O - I lever	
Frequency	50/60 Hz	
Insulation voltage	500 V AC	
Connection	Upstream/downstream: by tunnel terminals, flexible or rigid cables without end: Max. 2 × 16 mm ² or 1 × 35 mm ²	

Type	Width in mod. of 9 mm	Voltage rating (V AC)	Rating (A)	Cat. no.
1P DB106857	2	230	25	12456
			40	12457
2P DB106638	4	400	25	12459
			40	12460
			63	12461
3P DB106639	6	400	25	12462
			40	12463
4P DB106640	8	400	25	12465
			40	12466
			63	12467

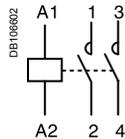




Remote control of a single-phase lighting circuit by impulse type electrical order.



Remote control of a single-phase lighting circuit by latched type electrical order.



Audible indication for homes.



DOMAE TL impulse relays Cat. no. 15508

General data		
Width in mod. of 9 mm	2	
Approval	VDE	
Compliance with standards	EN 60669	
Number of switching operations	Per Day	100
	Total	200,000
Maximum switching frequency	5 switching operations per minute	
Marking	Clip-on markers on front face	
Position indication	On front face by O-I lever	
Applications	Incandescent, LV halogen (resistive loads), fluorescent, discharge lamps (inductive loads) lighting circuits.	

Control circuit (coil)

Control voltage	230 V AC	
Coil inrush consumption (at 20°C)	19 VA	
Impulse duration	50 ms	
Manual control	On front face by O - I lever	
Connection by tunnel terminals	Flexible or rigid cables (with or without end): 2 × 0.5 mm ² to 2 × 1.5 mm ²	

Power circuit (contact)

Number	1	
Rating	16 A	
Voltage rating	250 V AC	
Connection by tunnel terminals	Flexible or rigid cables : 2 × 1.5 mm ² with end, 2 × 2.5 mm ² to 1 × 4 mm ² without end	

DOMAE CT contactors Cat. no. 15370

General data		
Width in mod. of 9 mm	2	
Approval	VDE, IMQ	
Compliance with standards	EN 61095	
Number of switching operations	Per Day	100
	Total	200,000
Marking	Clip-on markers on front face	
Signalisation	A red mechanical indicator light comes on if the coil is energised and the contacts in make mode	
Applications	For lighting, heating, mechanical ventilation systems	

Control circuit (coil)

Control Voltage	230 V AC	
Coil consumption (at 20°C)	Inrush	15 VA
	Holding	1.2 VA
Connection by tunnel terminals	Flexible or rigid cables : 2 × 1.5 mm ² with end and 2 × 2.5 mm ² or 1 × 4 mm ² without end	

Power circuit (contacts)

Number	2 NO	
Rating	20 A	
Voltage rating	250 V AC	
Connection by tunnels terminal	Flexible or rigid cables: 2 × 1.5 mm ² with end and 2 × 2.5 mm ² or 1 × 4 mm ² without end	

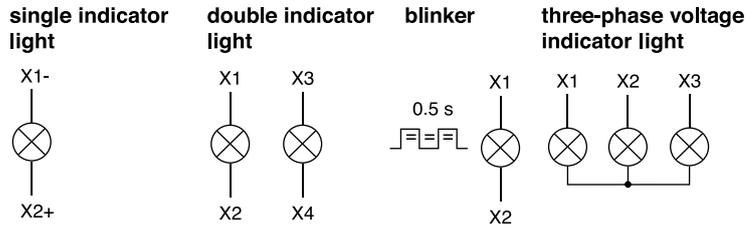
	230 V AC	12 V AC
	Cat. no. 15320 Cat. no. 15322	Cat. no. 15321 Cat. no. 15323

Technical data		
Width in mod. of 9 mm	2	
Sound level at 60 cm	80 dBA (SO Bells)	70 dBA (RO Buzzers)
Frequency	50/60 Hz	
Voltage rating	230 V AC	8 ... 12 V AC
Consumption	5 VA	3.6 VA
Connection by tunnel terminals	4 mm ² cable	
Voltage transformer	NO	Cat. no. 15213



The V indicator lights are used for luminous indication.

The V indicator light range consists of:



Technical Data

- complies with standard IEC 60947-5-1 (excepted cat. n° 18327 complies with standard IEC 73 and IEC 1000-4)
- operating frequency: 50...60 Hz
- indicator light with LED technology:
 - consumption by indicator light: 0.3 W (0.5 W for cat. n° 18327)
 - service life: 100,000 hours with constant luminous efficiency
 - indicator light requires no maintenance (non-interchangeable LEDs)
- blinker frequency: 2 Hz
- degree of protection:
 - IP4/IPxxD for the part outside the enclosure
 - IP2/IPxxB at the terminals
- divisible partition for the teeth of any comb busbar to fit into
- degree of pollution: 3 (2 for cat. n° 18325)
- operating temperature: -20 °C...+50 °C
- storage temperature: -40 °C...+100 °C
- tropicalisation: treatment 2 (relative humidity 95 % at 55 °C)
- connection by rigid or flexible cable with or without cable end:
 - tunnel terminals up to 2 x 2.5 mm², +/- recess screw, Pozidriv n°1
 - staggered terminals simplifying cable connection.



Type	Width in mod. of 9 mm	Colour	Catalogue number 110...230 V AC	Catalogue number 12...48 V AC/DC
Single indicator light				
	2	Red	18320	18330
		Green	18321	18331
		White	18322	18332
		Blue	18323	18333
		Yellow	18324	18334

Double indicator light				
	2	Green/red	18325	
	2	White/white	18328	
	2	Green/red		18335

Blinker				
	2	Red	18326	

Type	Width in mod. of 9 mm	Colour	Catalogue number 230...400 V AC 3-phase
Three-phase voltage indicator light			
	2	Red/red/red	18327



Functions

MIN, MINs

These timers allow closing and then opening of a contact in a determined time.

MINp, MINt

This timer allows closing and then opening of a contact in a determined time, and it also provides warning that the lighting is about to be switched off by flickering of the lamplight. (switch-off warning). The MINt timer is the same as MINp with an "impulse relay" additional function (see "MINt" technical data).

PRE

This is used in association with MIN or MINs timers and only on incandescent lighting circuits (not used on fluorescent, fluocompact lamps and very low voltage halogen lamps). It provides warning that the lighting is about to be switched off by reducing the brightness by 50% during the 20 to 60 s warning time.

Catalogue numbers	MIN 15363	MINs CCT15232	MINp CCT15233	MINt CCT15234	PRE 15376
Technical data					
Voltage (+10 %, -15%)	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
Frequency	50 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Adjustable time delay	1 to 7 min.	0.5 to 20 min.	0.5 to 20 min.	0.5 to 20 min.	20 to 60 s
Long time delay			1 h	1 h	
Consumption	1 VA	< 6 VA	< 6 VA	< 6 VA	
Switching capacity (cos φ = 1)	16 A	16 A	16 A	16 A	
Operating temperature	-10 to +50 °C	-25 to +50 °C	-25 to +55 °C	-25 to +55 °C	-10 to +50 °C
Width (9 mm modules)	2	2	2	2	2
1 screw connection per pole for cables up to 6 mm ²	■	■	■	■	■
Selection of the type of connection (3 or 4 wires)	Selector switch	Automatic	Automatic	Automatic	
Mechanical compatibility with electrical distribution comb busbar		■	■	■	
Switch-off warning function			■	■	■
Impulse relay function				■	
Product photo					
Diagram (connection)					



3 programming types

- 60 minute timetable to program a repetitive cycle.
- 24 hour daily to program one cycle over a day.
- 7 day weekly to program one cycle over a week.
- 7 day weekly with dated days to program one cycle over a week and special cycles for specific days (public holidays, etc.).
- 60 minutes, 24 hours, 7 days, 7 days with dated days for all programming types.

The intuitive switches: 4 keys and a large screen



- IHP 1c.
- IHP 2c.
- IHP + 1c.
- IHP + 2c.
- IHP DCF 1c.
- IHP 1c (UL)
- IHP 2c (UL)
- IHP 1c 18 mm.
- IHP + 1c 18 mm.

With 4 keys and a display, they operate on a weekly cycle: the same program is repeated week after week.

The multifunctional switch: 60 minutes, 24 hours, 7 days, 7 days + dated days



ITM 4C-6E.

They operate with weekly or annual time programming distributed across 1, 2, 3 or 4 channels 6 inputs to condition the functions

The mechanical switches



- IH 60 min 1c SRM.
- IH 24h 1c SRM.
- IH 24h 1c ARM.
- IH 24h 2c ARM.
- IHH 7d 1c ARM.
- IH 7d 1c ARM.
- IH 24h 1c ARM.
- IH 24h 1c SRM.

They operate on an hourly, daily or weekly cycle: the same program is repeated hour after hour (IH 60 min), day after day (IH 24 h) or week after week (IH 7d).



The time switches control opening and closing of one or more separate circuits according to a programming pre-set by the user:

- By memorisation of On and Off switching operations for the IHP switches
- By positioning of jumpers or captive segments on a programming dial for the mechanical IH switches.

An IHP or IH time switch is chosen according to the following criteria:

Designation	Number of channels	Cycle period (d:day)	Minimum time between 2 switching operations	Number of switching operations	Saving on mains cut off	Width (modules of 9 mm)	Override controls On / Off	Output contact changeover switch	Time changeover (summer/winter) (cos φ =1)
The intuitive switches									
IHP 1c	1	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16 A	Auto
IHP + 1c	1	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16 A	Auto
IHP 2c	2	24 h and/or 7 d	1 min.	56	6 years	5	On / Off	16 A	Auto
IHP + 2c	2	24 h and/or 7 d	1 s	84	6 years	5	On / Off	16 A	Auto
IHP DCF 1c (2)	1	24 h and/or 7 d	1 s	42	4 years	5	On / Off	16 A	Auto
IHP 1c (UL) (3)	1	24 h and/or 7 d	1 min.	28	3 years	5	On / Off	16 A	Auto
IHP 2c (UL) (3)	2	24 h and/or 7 d	1 min.	42	5 years	5	On / Off	16 A	Auto
The 18 mm intuitive switches									
IHP 1c 18 mm	1	24 h and/or 7 d	1 min.	28	3 years	2	On / Off	16 A	Auto
IHP + 1c 18 mm	1	24 h and/or 7 d	1 min.	42	3 years	2	On / Off	16 A	Auto
The multifunctional switch									
ITM 4C-6E (4)	4	60 min., 24 h, 7 d, 7d +dated d	1 s	(5)	5 years	10	On/Off (6)	10 A	Auto
The mechanical switches									
IH 60 mn 1c SRM	1	60 min.	1 min. 15 s	24 On - 24 Off	none	6	On	16 A	Manual
IH 24h 1c SRM	1	24 h	30 min.	24 On - 24 Off	none	6	On	16 A	Manual
IH 24h 1c ARM	1	24 h	30 min.	24 On - 24 Off	150 h	6	On	16 A	Manual
IH 24h 2c ARM	2	24 h	30 min.	24 On - 24 Off	150 h	6	On	16 A	Manual
IH 7d 1c ARM	1	7 days	4 h	21 On - 21 Off	150 h	6	On	16 A	Manual
IH 24 h + 7d 1+1c ARM	1+1	24 h + 7 d	45 min. + 12 h	16 On -16 Off + 7 On -7 Off	150 h	6	On	16 A	Manual
The 18 mm mechanical switches									
IHH 7d 1c ARM	1	7 days	2 h	42 On - 42 Off	100 h	2	On / Off	16 A	Manual
IH 24h 1c ARM	1	24 h	15 min.	48 On - 48 Off	100 h	2	On / Off	16 A	Manual
IH 24h 1c SRM	1	24 h	15 min.	48 On - 48 Off	none	2	On / Off	16 A	Manual
Accessories									
Programming kit (7)									
Memory key (7)									
Memory cartridge (8)									
ANT DCF antenna									

(1) Programming of dated days allows specific switching operations on certain days.

(2) The IHP DCF is synchronised on the Frankfort transmitter via the ANT DCF antenna.

(3) Supply voltage: 120 V CA.

(4) 4 output channels and 6 condition inputs.

(5) 45 time brackets in weekly time programming, 15 time brackets in annual time programming, 20 different pulses in pulse programming.

(6) On/Off via an override input or a condition input.

(7) For IHP +1c and IHP+ 2c.

(8) For ITM 4c-6E.

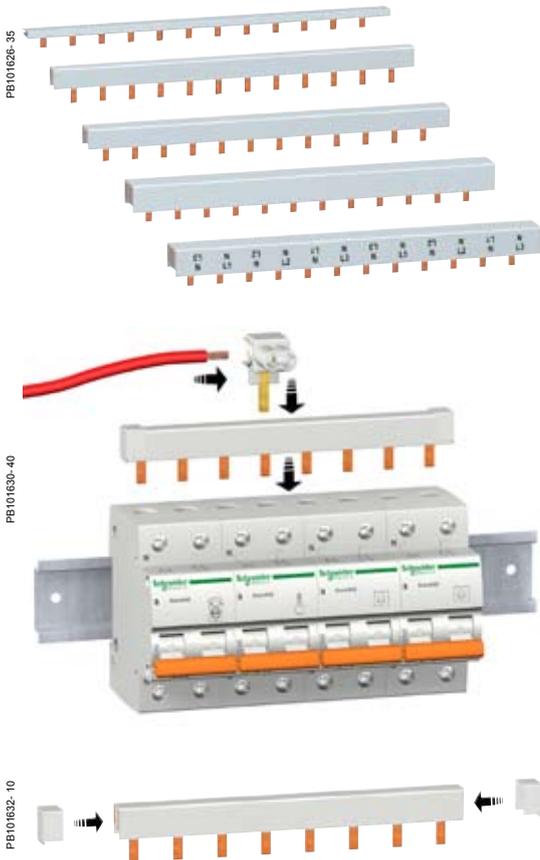


Back-lit display random function and pulse programming (9)	"Absence for holidays function"	Screw-less connection	Mechanical compatibility with electrical distribution comb busbars	Input for external control	Instruction manual holder in front face	Memory key integrated in front face	Catalogue number
	■	■	■		■		CCT15720 (1)
■	■	■	■	1 input	■	■	CCT15721 (1)
	■	■	■		■		CCT15722 (1)
■	■	■	■	2 inputs	■	■	CCT15723 (1)
Random function	■				■	■	15857
					■		15830
					■		15831
							15724 (1)
■	■		■				15725 (1)
Pulse function		■			■	■	15270
							15338
							16364
							15365
							15337
							15367
							15366
							15331
							15336
							15335
							CCT15860
							CCT15861
							15280
							15858

(1) French, english, italian, spanish, german, portuguese languages.



Distribution of electrical power supply in an enclosure. Quick assembly and disassembly of the devices connected.



DOMAE Comb busbars 10387...10395

Technical data		
Compliance with standards	IEC 60439-1, EN 60439-1	
Rated current	63 A	
Voltage rating	Phase-to-neutral	230 V AC
	Phase-to-phase	400 V AC

These comb busbars can be mounted on Domae devices.

Power supply

The comb busbars are supplied	By 16 mm ² semi-rigid or 10 mm ² flexible cable
	With connector by 35 mm ² semi-rigid or 25 mm ² flexible cable

Pre-cut comb busbars

Type	Rating (A)	Width in mod. of 9 mm	Description	Cat. no.
1 Ph	63	24	1 x 12-module comb busbar 1 x 10 mm ²	10387
2 Ph	63	24	1 x 12-module comb busbar 2 x 10 mm ²	10389
3 Ph	63	24	1 x 12-module comb busbar 3 x 10 mm ²	10391
4 Ph	63	24	1 x 12-module comb busbar 4 x 10 mm ²	10393

1 m long comb busbars

Type	Rating (A)	Length (m)	Description	Cat. no.
1 Ph	63	1	1 recuttable 1 m bar 1 x 10 mm ²	10388
2 Ph	63	1	1 recuttable 1 m bar 2 x 10 mm ²	10390
3 Ph	63	1	1 recuttable 1 m bar 3 x 10 mm ²	10392
4 Ph	63	1	1 recuttable 1 m bar 4 x 10 mm ²	10394
L1-N	63	1	1 recuttable 1 m bar 4 x 16 mm ²	10395
L2-N				
L3-N				

Accessories

	Cat. no.
1 set of four 35 mm ² connectors	10397
1 set of 10 bar end pieces (2 phases)	10398
1 set of 10 bar end-pieces (3 phases)	10399
1 set of 10 bar end-pieces (4 phases)	10405
1 set of 10 tooth shields	10396



Selection of Disbo Extra™ Single Phase

Tested busbar version



DSP1 | **12** | **X** | **MCB**

Disbo Extra Single Phase

Number of Ways

- 6 : 6 ways
- 8 : 8 ways
- 12 : 12 ways

Incomer

X : No Incomer

Incoming Device Type (2 pole) MCB:

- C60N 2 Pole 63A
- Domae 2 Pole 63A
- 100 Switch 2 Pole 40A
- 100 Switch 2 Pole 63A
- 100 Switch 2 Pole 100A
- RCCB 2 Pole 100A 30mA
- RCCB 2 Pole 40A 30mA
- RCCB 2 Pole 63A 30mA

Row busbar version



DSP1

Disbo Extra Single Phase

ROW

ROW Type

8

Number of Ways

- 8: 8 ways
- 10: 10 ways
- 14: 14 ways



Quick visual check of circuit breakers status

- Key lock option for front door

> for ordering, add suffix 'K' to the reference

Creating new standards in design-Color End cap

- Disbo Extra single phase cover with multiple color end caps to match your interiors.



Name of the color

Cat. No. Specify

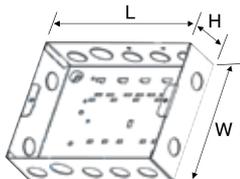
- Silver
- Champagne Gold
- Blue
- Light Grey
- Dark Grey

- SDVS1ASP
- SDVS1ACGP
- SDVS1ABL
- SDVS1AGY
- SDVS1AAGP

Consumer units dimension and installation type



Flush Mounted



Surface Mounted

Tested busbar	Row type	L	W	H
6 WAYS	8 WAYS	239	206	73
8 WAYS	10 WAYS	315	206	73
12 WAYS	14 WAYS	391	206	73

- Notes :
1. No of ways including the main breaker
 2. METAL BOX outside dimension.
 3. All dimension in mm.



Creativity

The original "made in France" design of Disbo **Extra™** follows the latest trends in aesthetics and architecture.

Elegance

Whatever the installation sets out to meet, Disbo **Extra™** responds in the most efficient and elegant way.



Distinction

With its unique rounded door and attractive smooth surfaces, Disbo **Extra™** enriches your interior with a simple and original touch of distinction.

Colorful

Thanks to more than 20 modern and sober optional colors, personalisation takes new meaning with Disbo **Extra™**.



Incoming Devices

Switch Disconnectors
Control and isolation of electrical circuits
Comply with IEC 60947 - 1 and 60742 - 3 standards

- I switches
Current rating 40 to 125 A
Insulation voltage: 580 V

Circuit Breakers
Protection of circuits against overload and short-circuit currents
Comply with IEC 60947 - 1 and 60742 - 3 standards
Moulded Case Circuit Breakers

- **Easypact - EZ100**
Current rating 40 to 100 A
Breaking capacity at 380 V: 18 kA
- **Easypact - EZ250**
Current rating 125 to 250 A
Breaking capacity at 380 V: 36 kA
- **Compact NS100 - NS160 - NS250**
Current rating 16 A to 250 A
Breaking capacity at 380 V:
□ NS100: 25 kA □ NS160 & NS250: 36 kA
Adjustable trip unit
Total discrimination as standard with downstream circuit breakers

Earth Leakage Protection
Protection of people and goods against fire and electrical shocks
Specially recommended for humid and public areas

- **RCCB**
Complies with IEC 61008 standard
Current rating 40 A to 125 A
Sensitivity: 300 mA
Instantaneous trip release
Self supplied by distribution voltage, does not require any external source

Outgoing Miniature Circuit Breakers

Standard Protection
Protection of circuits against overload and short circuit currents
Complies with IEC 60947 and IEC 60898 standards

- Domae
Current rating 6 to 63 A
Breaking capacity at 220 / 380 V: 3 kA
Available in 1, 2 and 3 poles
Recommended for housing and commercial applications
- C60N - C60H - C60L
Current rating 0,5 to 63 A
Breaking capacity at 220 / 380 V:
□ C60N:10kA □ C60H:15kA □ C60L:25kA
Available in 1, 2 and 3 poles
Recommended for commercial and industrial applications

Full Protection
Complete protection of circuits against overload and short circuit currents as well as protection of people and goods against fire and electrical shocks. Complies with IEC 61009 standard

- C60H - RCBO
Current rating 6 to 45 A
Breaking capacity at 220 / 380 V: 10 kA
Sensitivity 30 or 100 mA
Automatic tripping in case of loss of neutral and inversion between phase and neutral
Phase and neutral in one pole module of 18 mm width
Recommended for humid and public areas





Technical Data

Complies with IEC 60439-3 (type tests performed by ASTA laboratory (UK))
 Current rating up to 250 A
 Short time withstand: 17 kA rms for 200 ms
 Peak short time withstand: 34 kA
 Index of protection IP31 as per IEC 60529

Structure

Flush or wall mounted
 Adjustable pan assembly
 Top and bottom removable gland plates
 Copper tin plated bus bar
 Zinc coated metal sheet without any welding points
 Earth and neutral bar available as standard
 Earth and neutral terminal holes equal to number of outgoing devices

Enclosures

Busbar Mounting Type



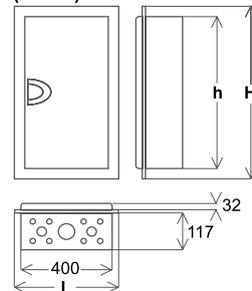
DBX Distribution Board X: Disbo Extra	3 Number of Phases 3: 3 phases	12 Number of Ways 12: 12 ways 18: 18 ways 24: 24 ways 30: 30 ways 36: 36 ways 42: 42 ways 48: 48 ways 54: 54 ways	X Provision Incomer X: Breaker provision only	I 100 Provision Incoming Device type: I100: I Switch 3P frame R163: RCCB 4P frame EZ100: Easycompact up to 100A 3P frame EZ250: Easycompact up to 250A 3P frame NS100: Compact NS up to 100A 3P frame NS250: Compact NS/NB up to 160/250A 3P frame (18 ways & up)	SI Option Blank: Flush S: Surface
--	---	---	--	---	---

Dimensions

Define your enclosure Size Type according to your needs of ways and incomers.

Number of ways	MCB 125 A	MCCB 125 A	MCCB 250 A
12	B	B	-
18	B	C	C
24	B	C	C
30	C	D	D
36	C	D	D
42	C	D	D
48	D	E	E
54	D	E	E

Enclosures dimensions (in mm)



Flush Size type	H	h	L
	B	570	530
C	730	690	440
D	890	850	440
E	1040	1000	440
Surface Size type			
Surface Size type	H	h	L
B	545	530	410
C	705	690	410
D	865	850	410
E	1015	1000	410



Function

Horizontal installation.
Possibility of provide multiple split sections.

Technical Data

Complies with IEC 60439-3
Index of Protection: IP31 per IEC 60529
Zinc coated metal sheet of 1.2mm thickness,
Standard colour RAL 9002
16 module width.
Define the distribution board you need



DBX ROW1 FD

Distribution Board

X: Disbo-Extra-row

Option

Blank: Flush
S: Surface

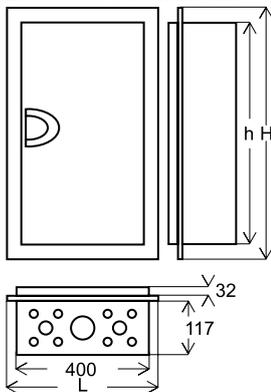
Number of rows

1 row, 2row, 3row
4row, 5row, 6row



Dimensions

Enclosure dimensions:



Flush	H	h	L	Surface	H	h	L
1Row	320	280	480	1Row	288	280	448
2Row	570	530	440	2Row	545	530	410
3Row	730	690	440	3Row	705	690	410
4Row	890	850	440	4Row	885	850	410
5Row	1040	1000	440	5Row	1015	1000	410
6Row	1040	1000	440	6Row	1015	1000	410

Accessories for Disbo extras 3-phase busbar mounting

Item	Reference	Item	Reference	Item	Reference
Key lock standard	DBXKEYSTD_R	Additional blank plates for 5 extra circuit breakers provision	DBXBLKPLT	Identification labels for an easy marking of all applications	DBXIDFLBL



■ Additional blank plates for 5 extra circuit breakers provision

■ Identification labels for an easy marking of all applications

Mini Pragma Flush mounting with terminal blocks

1 row, 4 to 18 modules
2 and 3 rows, 12 modules per row



Function

Mini Pragma is a distribution or subdistribution enclosure up to 63 A. It is used indoors, in housing or in the service sector, for new installations or renovation work.

Description

Technical data



- Equipped with an opaque or transparent, curved door:
 - 1 row: wicket door opens 90° upwards
 - 2 and 3 rows: door opens 180° to the right and to the left.
 - Rated current of the enclosure:
 - 4 modules: 50 A
 - 6 to 36 modules: 63 A.
 - Material:
 - insulating, self-extinguishing material
 - colour: white RAL9003.
 - Compliance with standards:
 - complies with IEC 439.3 (EN 60 - 439 - 3).
 - Degree of protection:
 - as in IEC 529:IP40 (protection against solids and liquids).
 - as in EN 50 - 102: IK07 (protection against mechanical impacts)
 - class 2 protection against indirect contact.
 - Fire and excessive heat withstand capacity as in IEC 695 - 2 - 1:
 - enclosure: 650°C/30 s
 - N-earth terminal bar supports: 960°C/30 s.
- Flush mounting Mini Pragma is composed of:

Composition



- a symmetrical base:
 - robust
 - of a depth adapted to walls with a low thickness
 - with punch-outs for tube insertion on the 4 sides
- 1 to 3 symmetrical rails with adjustment of verticality:
 - 1 row: adjustable symmetrical rail depth
 - 2 and 3 rows: one-piece chassis enabling wiring outside the base
- a rigid, reversible front panel:
 - with a curved wicket door or curved door
 - equipped with blanking plates which can be punched-out.

Accessories delivered with the enclosure



13374

Flush mounting Mini Pragma is delivered equipped with:

- a circuit identification strip per row:
 - to be glued on the front panel
- a connection assembly:
 - 2 earth-neutral terminal blocks
 - 2 terminal block supports
- terminal block details:

Number of holes	Composition	
	10 mm ²	16 mm ²
4	2	2
8	4	4
16	8	8
22	11	11
32	16	16



13942

Catalogue numbers

Enclosure with door

Number of rows	Capacity in modules of 9 mm	modules of 18 mm	Terminal blocks delivered (no.x no. holes)	Cat. no.	
				Opaque	Transparent
1	8	4	2x4	13371	13301
1	12	6	2x4	13372	13302
1	16	8	2x8	13373	13303
1	24	12	(2x4) + (2x8)	13374	13304
1	36	18	2x16	13375	13305
2	48	24	2x16	13932	13942
3	72	36	2x22	13933	13943

additional information

Optional accessories: page 25
Dimensions: page 26 - 27

Mini Pragma Flush mounting with terminal blocks

1 row, 4 to 18 modules
2 and 3 rows, 12 modules per row



Function

Mini Pragma is a distribution or subdistribution enclosure up to 63 A. It is used indoors, in housing or in the service sector, for new installations or renovation work.

Description

Technical data



- Equipped with an opaque or transparent, curved door:
 - 1 row: wicket door opens 90° upwards
 - 2 and 3 rows: door opens 180° to the right and to the left
 - Rated current of the enclosure:
 - 4 modules: 50 A
 - 6 to 36 modules: 63 A.
 - Material:
 - insulating, self-extinguishing material
 - colour: white RAL9003
 - Compliance with standards:
 - complies with IEC 439.3 (EN 60 - 439 - 3)
 - Degree of protection:
 - as in IEC 529: IP40 (protection against solids and liquids)
 - as in EN 50 - 102 : IK07 (protection against mechanical impacts)
 - class 2 protection against indirect contact (with insulating plugs on the fixing screws)
 - Fire and excessive heat withstand capacity as in IEC 695 - 2 - 1:
 - enclosure: 650°C/30 s
 - N - earth terminal bar supports: 960°C/30 s
- Surface mounting Mini Pragma is composed of:

Composition



Connection assembly

- a back with:
- a centred oblong opening to simplify installation
- oblong fixing holes enabling the adjustment of verticality
- cable insertion kit:
- punch-outs, on 4 panels for the 1 row enclosures
- a large surface for punching (crown saw, punches) at the top and bottom of the 2 and 3 row enclosures.
- 1 to 3 metallic rails, screwed symmetrically onto the back
- a cover:
- reversible front panel, equipped with blaking plates which can be punched-out
- curved wicket door or curved door

Accessories delivered with the enclosure



13379

Surface mounting Mini Pragma is delivered equipped with:

- insulating plugs:
 - to be placed on the back fixing screws to obtain a class 2 insulation
 - a circuit identification strip per row:
 - to be glued onto the front panel
 - a connection assembly:
 - 2 earth-neutral terminal blocks
 - 2 terminal block supports
- terminal block details:

Number of holes	Composition	
	10 mm ²	16 mm ²
4	2	2
8	4	4
16	8	8
22	11	11
32	16	16

Catalogue numbers

Enclosure with door					
Number of rows	Capacity in modules of 9 mm	modules of 18 mm	Terminal blocks delivered (no.xno. holes)	Cat. no.	
				Opaque	Transparent
1	8	4	2x4	13376	13366
1	12	6	2x4	13377	13367
1	16	8	2x8	13378	13368
1	24	12	(2x4) + (2x8)	13379	13369
1	36	18	2x16	13380	13370
2	48	24	2x16	13912	13922
3	72	36	2x22	13913	13923



13922



Function and Description

For the installation

Hollow partition flush mounting kit

Enables the flush mounting enclosure base to be fixed in a hollow partition.

Set of 4 brackets and screws.

For the connection

Terminal block support

- Enables the terminal blocks to be installed.
- 1 to 2 terminal block supports per enclosure.
- 12 x 2 flat bar.
- Can be clipped on the back of the enclosure, at the top or bottom.
- Sloped in order to:
 - assist cable insertion
 - improve their accessibility during locking.

Terminal block

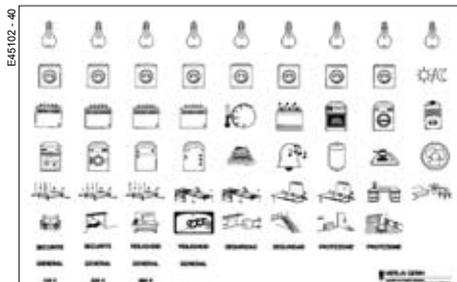
Simplifies the wiring.

- These Pragma terminal blocks can be installed in the Mini Pragma enclosures.
- Technical data:
 - insulated
 - up to 80 A.
 - Installation:
 - clips onto the terminal block support or the rail
 - fixes onto the back of the enclosure.
 - Composition:
 - captive screws delivered open
 - guides simplify the insertion of cables into the enclosures
 - numbered terminal blocks.

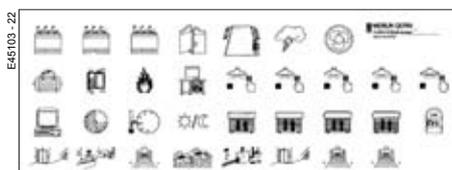
Insulating cover

Insulates the terminal blocks for improved protection.

- Coloured: green, red or blue.
- Enables the IP2 protection level to be attained.
- 2 widths according to the width of the terminal block to be insulated.
- Is only installed on the optional terminal blocks (Pragma terminal blocks).



13735



13736

For the finish

Blanking plate

Blanks the spaces where there are no devices.

- 5 dividable modules.
- Colour: white RAL9003.
- Delivered in sets of 10.

Key lock

Protects the access to the switchgear operating mechanism in some buildings according to regulations.

- Delivered with 2 metal keys.
- Fixes onto the enclosure and the door after punch-out following the instruction manual.

Sealing kit

Prevents access to the live parts by sealing the base or the back with the cover. Occupies the place of one of the front panel fixing screws.

Symbol plate

Includes self-adhesive pictograms which enable the outgoing to be identified.

- Ordinary symbols:
 - Loads:
 - socket
 - lighting
 - convector
 - etc.
 - locations:
 - bedroom
 - bathroom
 - etc.
- Special symbols:
 - loads:
 - surge arrester
 - gateway
 - pool
 - etc.
 - locations:
 - technical room
 - computer room
 - etc.

Label support sheet

Enables one's own identification self-adhesive labels to be printed. To be printed using the Schneider Interactive Software, etc.

Catalogue numbers

Connection accessories			
Type	Width (mm)	Use for the enclosures (number of 18 mm modules)	Cat. no.
Terminal Block support	90	4	13361
	105	6	13362
	140	8	13363
	320	18	13381
	210	12, 24, 36	13364

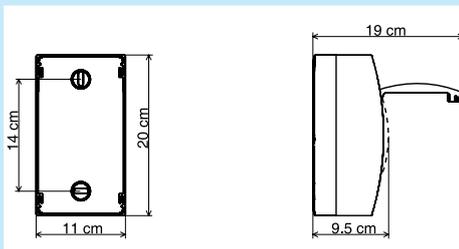
Type	Width (mm)	Number of holes	Composition		Cat. no.
			10 mm ²	16 mm ²	
Terminal Block	85	4	2	2	13575
	85	8	4	4	13576
	202	16	8	8	13577
	202	22	11	11	13578
	202	32	16	16	13579

Type	Width (mm)	Colour	Cat. no.
Terminal Block	85	Green	13582
		Red	13584
		Blue	13586
	202	Green	13583
		Red	13585
		Blue	13587

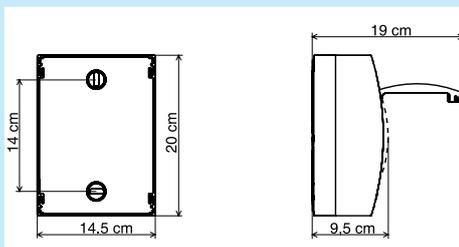
Finishing accessories		Cat. no.
Blanking plates RAL 9003 (set of 10)		13229
Key lock	1 row	14180
	2 and 3 rows	13315
Sealing kit		13317
Hollow partition flush mounting kit		13360
Symbol plate	ordinary	13735
	special	13736
Label support sheet		13275



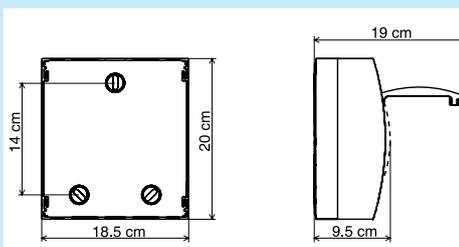
Surface-mounted enclosures



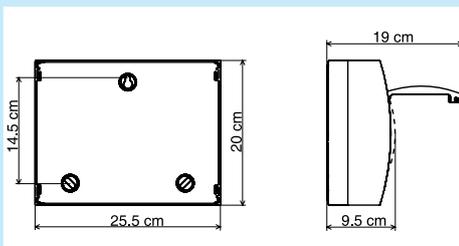
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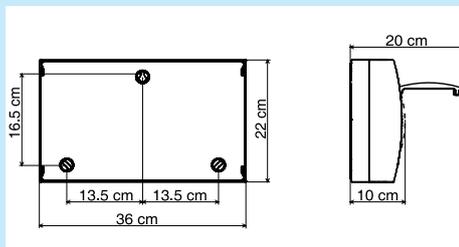
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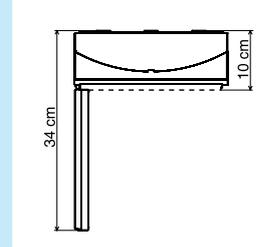
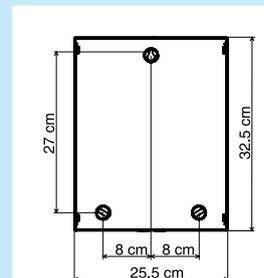
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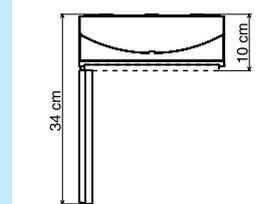
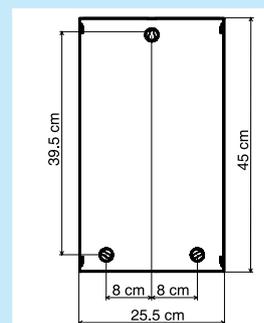
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18



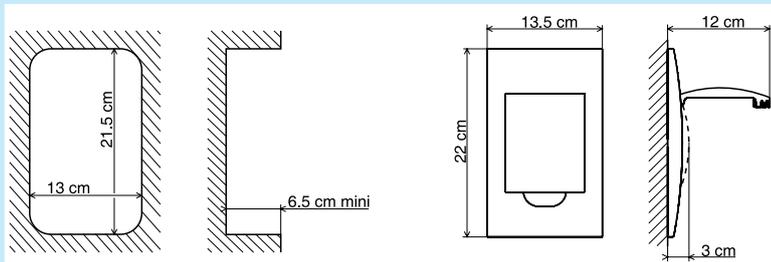
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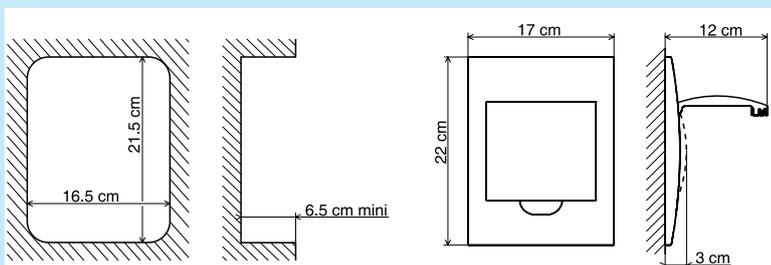
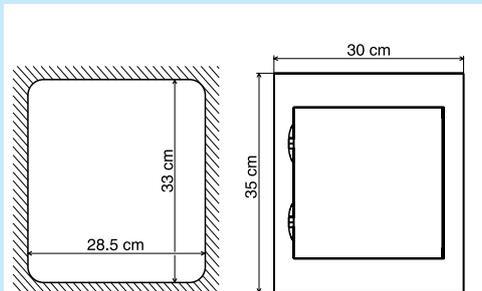
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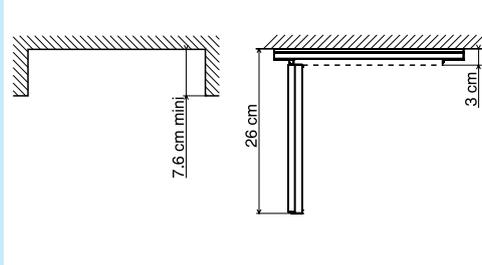
Flush-mounted enclosures



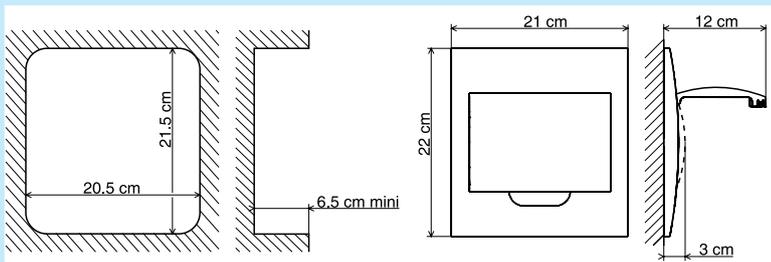
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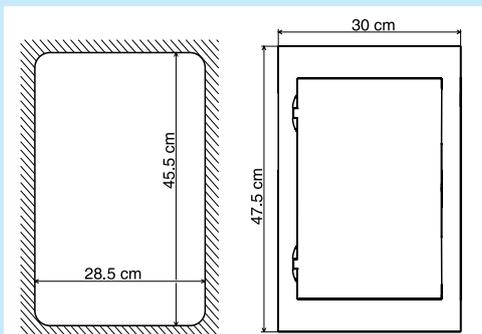
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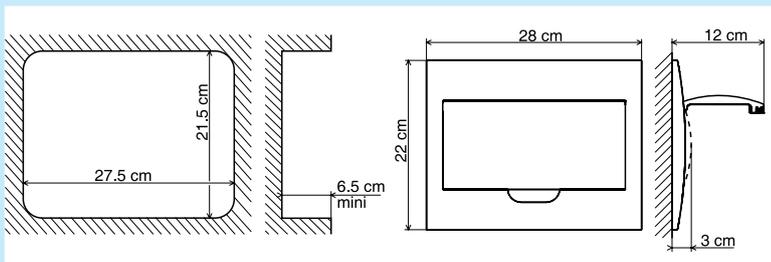
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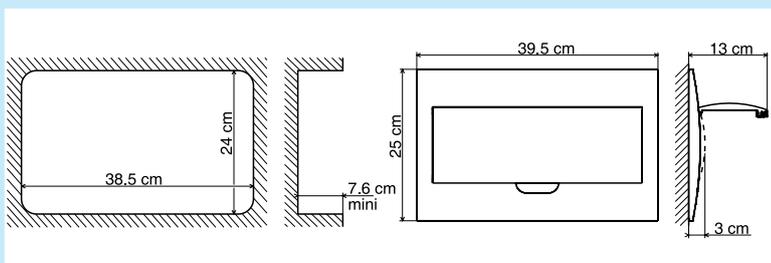
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36



12



18



Choice of protection devices

Short-circuit and overload protection



"Power socket circuit":
1 protection device for 8 sockets maximum

Cables

2.5 mm²

Protection

1 C16 circuit-breaker

"Lighting circuit":
1 protection device for 10 lighting points maximum

1.5 mm²

1 C10 circuit-breaker

"Specific circuit":
1 protection device by appliance
(washing machine, cooker, water heater, etc.)

4 mm²

1 C32 circuit-breaker

Electrocution protection



1 protection device
for the "power socket circuit"
and "specific circuit" assembly

1 30 mA residual current circuit-breaker

Fire protection



1 general protection device

1 300 mA residual current circuit-breaker

Lightning protection



1 general protection device

1 Domae Quick-PF surge arrester

Everyday comfort

Multiple control for lighting circuit



1 relay by multiple control circuit

Commande

1 TL impulse relay

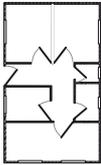
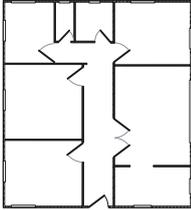
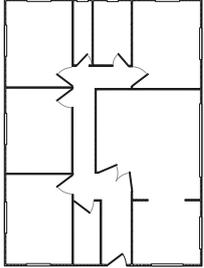
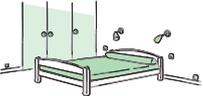
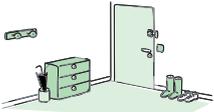
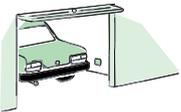
Power control



1 relay by specific circuit

1 CT contactor

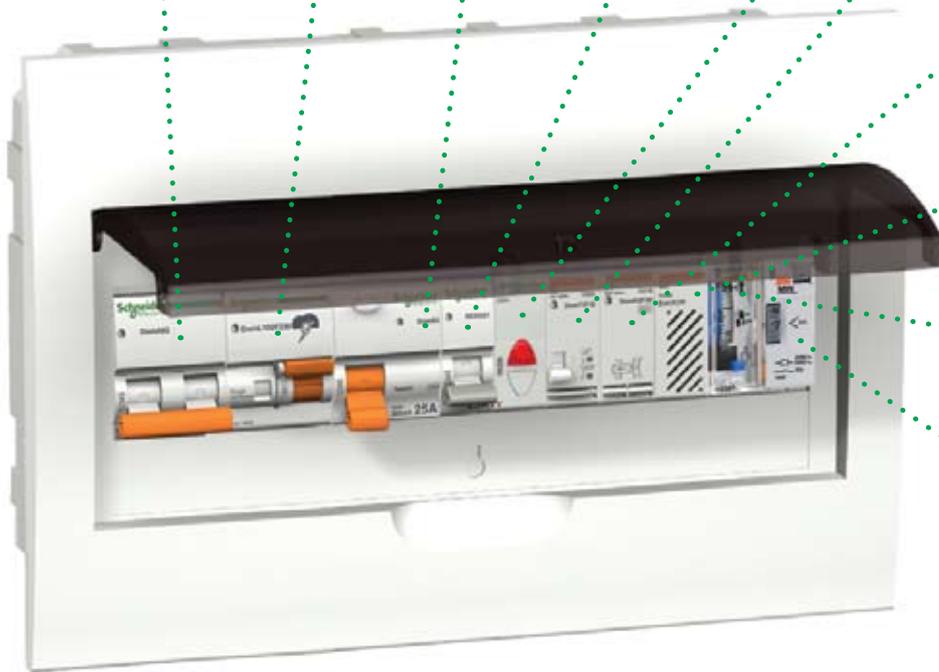
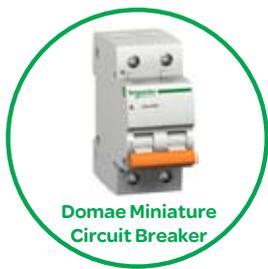


			
Surface area	60 m ²	100 m ²	> 100 m ²
Subscribed demand	3000 VA	6000 VA	> 6000 VA
"Household incoming" connection			
Number of "power socket" circuits	1	2	2
Number of "lighting circuits"	1	1	2
Number of "specific circuits"	0	1	2
Distribution			
Living room 	1 socket for 6 m ² 1 lighting for 20 m ²	1 socket for 6 m ² 1 lighting for 20 m ²	1 socket for 6 m ² 1 lighting for 20 m ² 1 special purpose socket
Bedroom 	1 lighting 2 sockets	1 lighting 3 sockets	1 lighting 3 sockets 1 special purpose socket
Kitchen 	1 lighting 3 sockets	2 lightings 3 sockets 1 socket per electrical household appliance	2 lightings 3 sockets 1 special purpose socket 1 socket per electrical household appliance
Bathroom 	1 lighting 1 socket	2 lightings 1 socket	2 lightings 3 sockets 1 special purpose socket
Entrance hall 	1 lighting 1 socket	1 lighting for 12 m ² 1 socket for 12 m ²	1 lighting for 12 m ² 1 socket for 12 m ² 1 special purpose socket for 12 m ²
Garage and outside 	1 lighting	1 lighting for 5 m ² 1 socket for 5 m ²	1 lighting for 5 m ² 1 socket for 5 m ² 1 special purpose socket for 5 m ²

Domae

The Right Solution for Your Home

- > More protection
- > More comfort
- > More energy saving



Mini Pragma Panel



Step 2

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Schneider Electric East Mediterranean s.a.l.

Ashadia Building, 10th Floor, Tabaris, Achrafieh,
P.O. Box : 166223 - Beirut, Lebanon
Tel. +9611 204 502
Fax +9611 204 458

www.schneider-electric.com

Customer Care Centre :

Tel. +357 24 812 649
customer care.cy@schneider-electric.com