

Consumer units

Summary table

IP 40 wall-mounting consumer units				IP 55 and IP 65 wall-mounting consumer units				Fronts	
Europa Series	Europa Polycarbonate Series	Wall covers	IP 55 Europa Series	IP 65 Fly Series	IP 65 Europa Series			IP 40 and IP 55 panel fronts	
residential/ tertiary application	tertiary/ industrial application	residential/ tertiary application	tertiary/industrial application	residential/ tertiary/ industrial application	residential/ tertiary/industrial application			tertiary/industrial application	
									
With opaque, vertically hinged door	With transparent, smoky, vertically hinged door	Without door	Without door	Spring closing	With transparent door	With opaque, vertically hinged door	With transparent, smoky vertically hinged door	Panel fronts	
RAL 9016 white RAL 7035 grey	RAL 9016 white RAL 7035 grey	RAL 7035 grey	RAL 9016 white RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	IP 40 RAL 7035 grey	IP 55
-	-	2-4 modules 12 702 105x175x85	1SL2402A00 - 12 422 50x140x65	-	2-4 modules 12 742 - 12 722^(*) 105x175x100	-	-	12 362 81x90x50	
-	-	-	-	-	-	-	-	12 363 99x90x50	
-	-	12 704 140x220x110	1SL2404A00 - 12 424 95x160x65	12 644 125x180x105	-	12 724 140x220x140	12 744 140x220x140	12 364 117x90x50	12 658 125x180x80
-	-	-	1SL2406A00 - 12 426 140x160x65	12 646 160x180x105	-	-	-	-	12 659 160x180x80
1SL2438A00 - 12 448 230x200x95	1SL2458A00 - 12 468 230x200x95	12 708 205x220x110	-	-	12 743 205x220x140	12 728 205x220x140	12 748 205x220x140	-	-
-	-	-	-	12 650 230x180x105	-	-	-	-	12 660 230x180x80
-	-	-	-	12 654 250x320x139	-	-	-	-	-
1SL2442A00 - 12 452 305x200x95	1SL2462A00 - 12 472 305x200x95	12 712 275x220x110	-	-	12 745 275x220x140	12 732 275x220x140	12 752 275x220x140	-	-
-	-	-	-	-	-	12 733 380x220x140	12 753 380x220x140	-	-
-	-	-	-	12 652 250x320x135	-	-	-	-	-
1SL2444A00 - 12 454 305x350x95	1SL2464A00 - 12 474 305x350x95	12 714 275x370x110	-	-	12 746 275x370x140	12 734 275x370x140	12 754 275x370x140	-	-
-	-	-	-	-	-	12 735 380x370x140	12 755 380x370x140	-	-
1SL2446A00 - 12 456 305x545x120	1SL2466A00 - 12 476 305x545x120	12 716 275x570x110	-	-	12 747 275x570x140	12 736 275x570x140	12 756 275x570x140	-	-
1SL2447A00 - 12 457 380x570x120	1SL2467A00 - 12 477 380x570x120	12 718 380x570x120	-	-	-	12 738 380x570x140	12 758 380x570x140	-	-

IP 55 wall-mounting consumer units

IP 55 Europa Series

4 modules

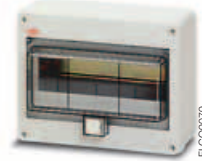
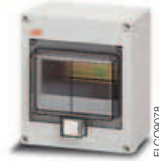
6 modules

10 modules

Spring closing

RAL 7035 grey

2



Code	Dimensions (mm) WxHxD	Box/pack No items
12 644	125x180x105	1/18

Code	Dimensions (mm) WxHxD	Box/pack No items
12 646	160x180x105	1/12

Code	Dimensions (mm) WxHxD	Box/pack No items
12 650	230x180x105	1/10

20 modules

10 special modules

Spring closing

RAL 7035 grey



Code	Dimensions (mm) WxHxD	Box/pack No items
12 652	250x320x139	1/6

Code	Dimensions (mm) WxHxD	Box/pack No items
12 654	250x320x139	1/6

Further technical information and applications

Consumer units for modular circuit breakers – summarised technical data

Wall-mounting consumer units IP 40 Europa Series

CODE	12 702	12 704	12 708	12 712	12 714	12 716	12 718
NUMBER OF MODULES	2	4	8	12	24	36	54
COLOUR	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
WITHOUT DOOR	YES	YES	YES	YES	YES	YES	YES
DOUBLE INSULATION	YES	YES	YES	YES	YES	YES	YES
RESISTANCE TO HEAT	GWT 960 °C	GWT 960 °C	GWT 960 °C	GWT 960 °C	GWT 960 °C	GWT 960 °C	GWT 960 °C
TYPE OF MATERIAL	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
SHOCK RESISTANCE	20 Joule (IK 10)	20 Joule (IK 10)	20 Joule (IK 10)	20 Joule (IK 10)	20 Joule (IK 10)	20 Joule (IK 10)	20 Joule (IK 10)
INSTALLATION TEMPERATURE	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C	-25 °C ÷ +60 °C
RESISTANCE TO HEAT	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C
PROTECTION DEGREE	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
MAX DISSIPATION POWER ⁽¹⁾	15 W	17 W	25 W	40 W	55 W	75 W	96 W
FLANGE FOR DIRECT BRANCH	-	-	COND. AND TRUNK Ø 5÷35 mm	COND. AND TRUNK Ø 5÷35 mm	COND. AND TRUNK Ø 5÷35 mm	COND. AND TRUNK Ø 5÷35 mm	COND. AND TRUNK Ø 5÷35 mm
EXTRACTABLE FRAME	-	YES	YES	YES	YES	YES	YES
DESIGNED FOR MOULDED-CASE							
CIRCUIT BREAKERS	-	YES	YES	YES	YES	YES	YES
DESIGNED FOR							
RAPID CABLING	-	-	UNIFIX L	UNIFIX L	UNIFIX L	UNIFIX L	UNIFIX L

(1) Data concerning dissipative power have been obtained by following the instructions in CEI 23-49 Standard, with a temperature difference of Dt = 30 °C.

Wall-mounting consumer units IP 55 Europa Series

CODE	12 644	12 646	12 650	12 652	12 654
NUMBER OF MODULES	4	6	10	20	10
COLOUR	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey
WITH TRANSPARENT DOOR	YES	YES	YES	YES	YES
DOUBLE INSULATION	YES	YES	YES	YES	YES
RESISTANCE TO HEAT	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C	GWT 650 °C
TYPE OF MATERIAL	Thermo-plastic	Thermo-plastic	Thermo-plastic	Thermo-plastic	Thermo-plastic
SHOCK RESISTANCE	6 Joule	6 Joule	6 Joule	6 Joule	6 Joule
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	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C	up to +85 °C
PROTECTION DEGREE	IP 55	IP 55	IP 55	IP 55	IP 55
MAX DISSIPATION POWER ⁽¹⁾	13 W	17 W	20 W	35 W	35 W
DESIGNED FOR INPUT	Ø 16 ÷ 40 mm	Ø 16 ÷ 40 mm	Ø 16 ÷ 40 mm	Ø 16 ÷ 40 mm	Ø 16 ÷ 40 mm

(1) Data concerning dissipative power have been obtained by following the instructions in CEI 23-49 Standard, with a temperature difference of Dt = 30 °C.

Reaction to chemical agents (*)

Chemical Agent	Reaction
Cold water	resistant
Hot water	resistant
Sulphuric acid 40%	partially resistant
Hydrochloric acid 35%	partially resistant
Acetic acid 10%	resistant
Benzole	not resistant
Gasoline	not resistant
Acetone	not resistant
Ethyl alcohol	partially resistant
Ammonia liquid	not resistant
Dichloromethane	not resistant
Diesel oil- naphta	not resistant
Mineral oils and grases	not resistant
Food oils and grases	not resistant
Perchloroethylene	not resistant
Trichloroethylene	not resistant
Ethylether	not resistant
Ozone	not resistant
Toluene	not resistant
Methanol	partially resistant
Spirits	not resistant
Milk	not resistant
Fruit juices	not resistant
Fluoride hydrocarbons	not resistant
Lye-washes	not resistant
Cleansings	not resistant
Water solution	not resistant

IP 55 Europa Series wall-mounting consumer units

■ resistant ▲ partially resistant ● not resistant

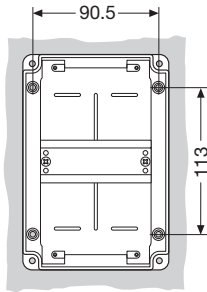
VLC00057

(*) Indications concerning the resistance of the products to chemical agents must be considered as an indication only, and refer to standard conditions (40 °C, integral product).

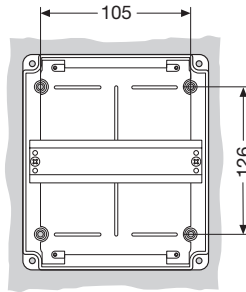
Overall dimensions

IP 55 Europa Series wall-mounting consumer units

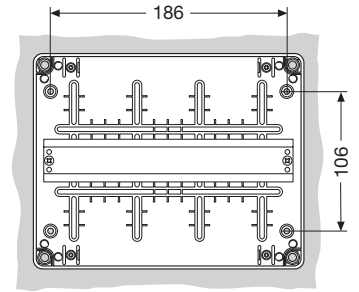
Drilling sheets



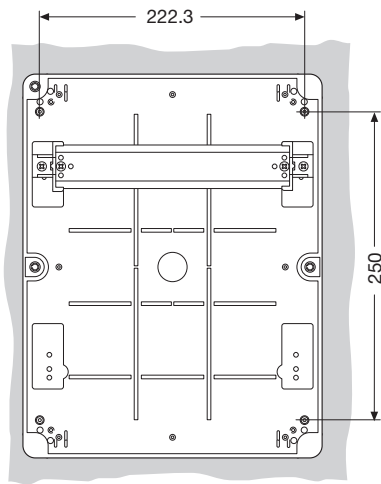
4 modules



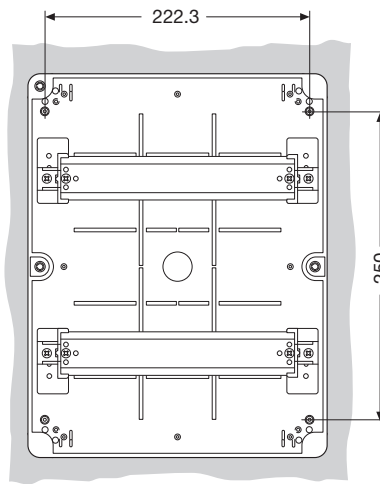
6 modules



10 modules



10 modules



20 modules

modules	code
4 modules	12 644
6 modules	12 646
10 modules	12 650 – 12 654
20 modules	12 652

VLC00014