Technical characteristics

- protection degree IP 65
- insulation class II ⧈
- available in RAL 7035 grey
- in polycarbonate material, self-extinguishing and resistant to abnormal heat and fire up to 960 °C (glow wire test) in compliance with IEC 60695-2-1 Standard
- operating temperature from -25 °C to +115 °C
- shock resistance 20 Joules (IK level 10)
- high resistance to UV rays
- perfectly symmetrical junction boxes with possibility of attaching the lid hinges, (using the special articulated screws supplied) on the right or left with 140° opening
- boxes code 12 808, 12 812, 12 814, 12 816 and 12 818 fitted with one rigid and one bi-material flange for facilitated input of conduits and cables
- junction boxes produced in compliance with CEI 23-48 and IEC 60 670 Standards
- boxes are supplied complete with:
  - 4 screw-cover caps to guarantee ⧈
  - accessories for attaching the hinges on the front
  - 1 certification plate
  - instruction sheet



FLC09842

IMQ mark

IP 65 junction boxes in polycarbonate material obtained the IMQ mark of approval

Accessories .....page 6/11 Technical details .....page 9/1 Overall dimensions .....page 10/34

140x220x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 804	140x220x140	1/14

205x220x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 808	205x220x140	1/9

275x220x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 812	275x220x140	1/6

6

275x370x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 814	275x370x140	1/4

275x570x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 816	275x570x140	1/2

380x570x140 mm



Code	Dimensions (mm) WxHxD	Box/pack No items
12 818	380x570x140	1/2

Base plates

In aluminium-plated metal



Code	For boxes type	Box/pack No items
12 842	12 804	10/120
12 844	12 808	10/10
12 845	12 812	10/10
12 846	12 814	5/5
12 847	12 816	5/5
12 848	12 818	5/5

Base plates

Protection degree: IP 67



Code	For boxes type	Box/pack No items
12 832	12 804	10/10
12 834	12 808	10/10
12 835	12 812	10/10
12 836	12 814	5/5
12 837	12 816	5/5
12 838	12 818	5/5

DIN metal section bars

Complete with screws



Code	For boxes type	Box/pack No items
12 852	12 804	50/600
12 854	12 808	30/360
12 855	12 812 – 12 814 – 12 816	50/200
12 856	12 818	50/200

Wall brackets



Code	Description	Box/pack No items
12 858	in insulating material	20/240

Terminal blocks

The complete terminal blocks are composed of a combination of terminal holders and terminal bars as indicated in the description, with the terminal bars already mounted on terminal holders.
Configuration of the complete terminal block is standard. For different requirements (customized terminal block), the terminal holders and bars must be procured separately in the versions indicated in the table.



Code	Description	Box/pack No items
12 490	for box 12804 – composed of 12538x2 + 12531x2	10/60
12 491	for box 12808 – composed of 12539x2 + 12531x2	10/60
12 492	for box 12812 – composed of 12540x1 + 12531x1 + 12532x1	10/40
12 494	for box 12814 – composed of 12540x2 + 12533x2	10/40
12 493	for box 12816 – composed of 12540x2 + 12534x2	10/40
12 497	for box 12818 – composed of 12543x2 + 12535x2	10/40

Terminal holders



Code	For boxes type	Box/pack No items
12 538	12 804	12/360
12 539	12 808	12/360
12 540	12 812 – 12 814 – 12 816	12/144
12 543	12 818	12/108

The terminal block is completed by combining the necessary terminal bars to the terminal holders, taking care to keep the terminal bars separated from each other.

Terminal bars



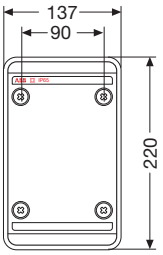
Code	Description No of holes x Ø holes (mm) + No of holes x Ø holes (mm)	Box/pack No items
12 531	5x4.5	20/240
12 532	10x4.5 + 3x5.6	20/240
12 533	16x4.5 + 3x5.6	20/240
12 534	15x4.5 + 6x5.6	20/240
12 535	19x4.5 + 6x5.6	20/240

The terminal bars can be installed on any kind of terminal holder; they are snapped onto these with 2 clips per bar, through two holes made at the ends of the bar itself.

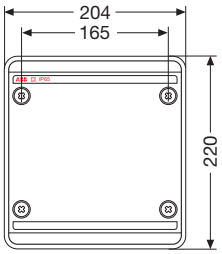
Overall dimensions

IP 65 junction boxes in polycarbonate

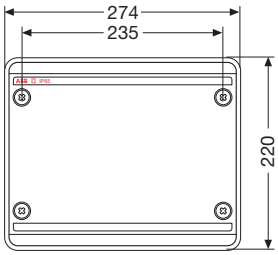
Front view



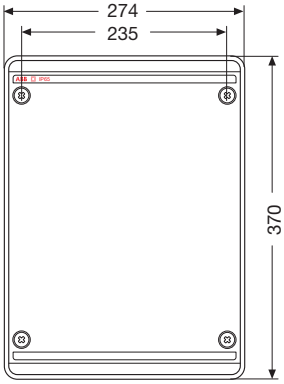
12 804



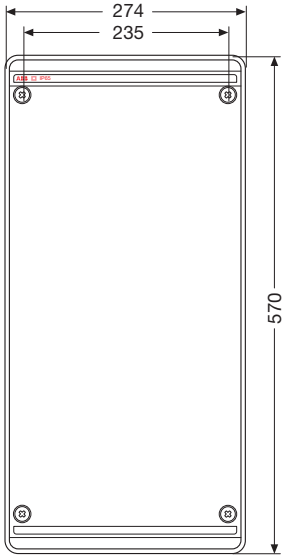
12 808



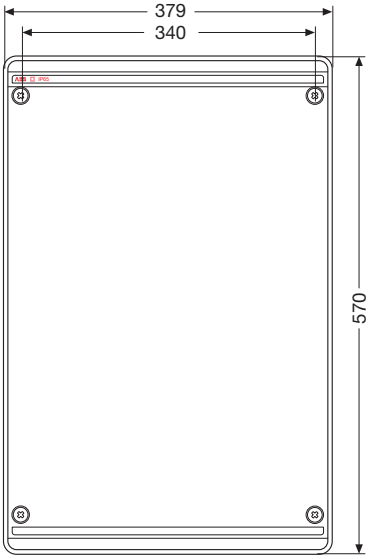
12 812



12 814

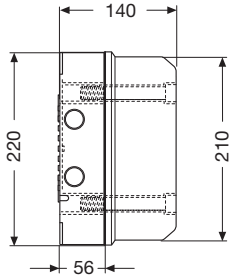


12 816

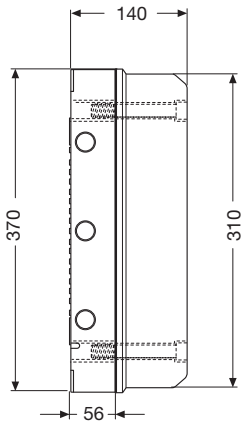


12 818

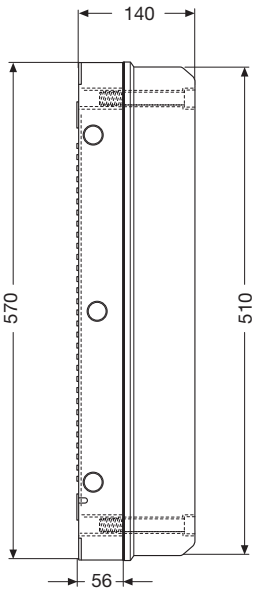
Side view



12 804 – 12 808 – 12 812



12 814



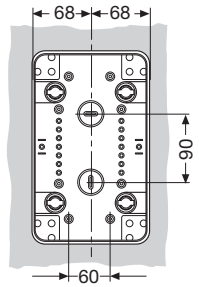
12 816 – 12 818

VLC00031

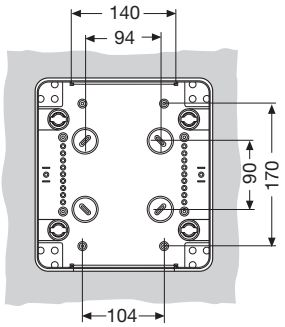
Overall dimensions

IP 65 junction boxes in polycarbonate

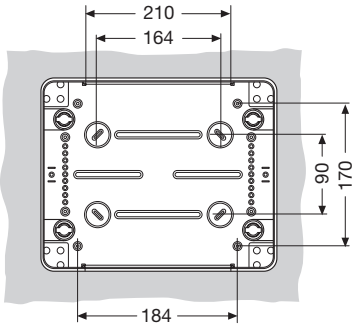
Drilling sheet



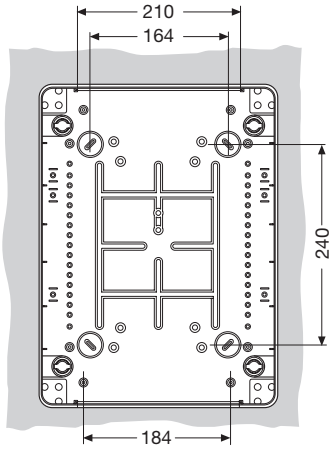
12 804



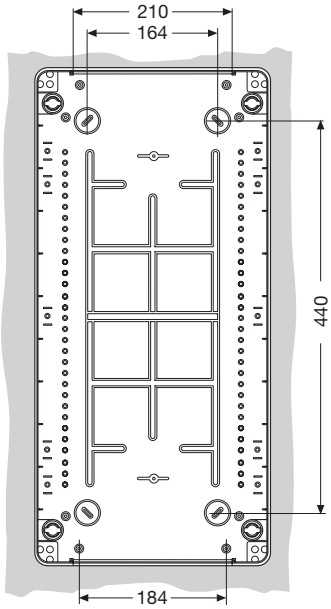
12 808



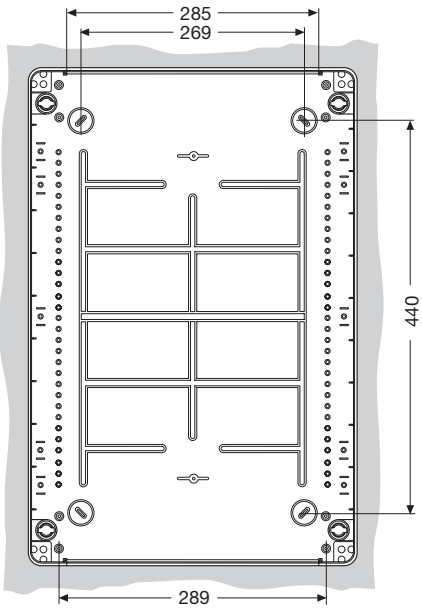
12 812



12 814



12 816



12 818

VLC00032