

Convivio™
 Tri-phase metal distribution boards

Cat.No(s):
 604400/01/02/03/04/05/06/07, 604430/31/32/33/34/35/36/37,
 604440/41/42/43/44/45/46, 605493/94, 001665



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1. OVERALL DESCRIPTION

CONVIVIO is the solution of tri-phase metal distribution boards British Standard for DIN rail circuit breakers MCBs or DRX series up to 250 A (from 12 to 54 poles of outgoing terminals).

A optimized, safe and easy to use range of distribution boards suitable for most environments assuring high quality and performances: they are designed to simplify the installer's work and to save time during installation and wiring with a good aesthetical design.

CONVIVIO distribution boards are ideal for residential or commercial applications such as houses, residential buildings, office buildings, small commercial buildings, hotels,

2. PRODUCT RANGE

Distribution boards up to 125 A

Maximum rating 125 A (main circuit breaker: MCB 3P or 3P+N with neutral on right side)

Item codes	Number of poles	Number of 3P ways	Maximum rating :
6 04400	12	4	125A
6 04401	18	6	125A
6 04402	24	8	125A
6 04403	30	10	125A
6 04404	36	12	125A
6 04405	42	14	125A
6 04406	48	16	125A
6 04407	54	18	125A

Distribution boards up to 250 A

Maximum rating 125 A (main circuit breaker: DRX series MCCBs)

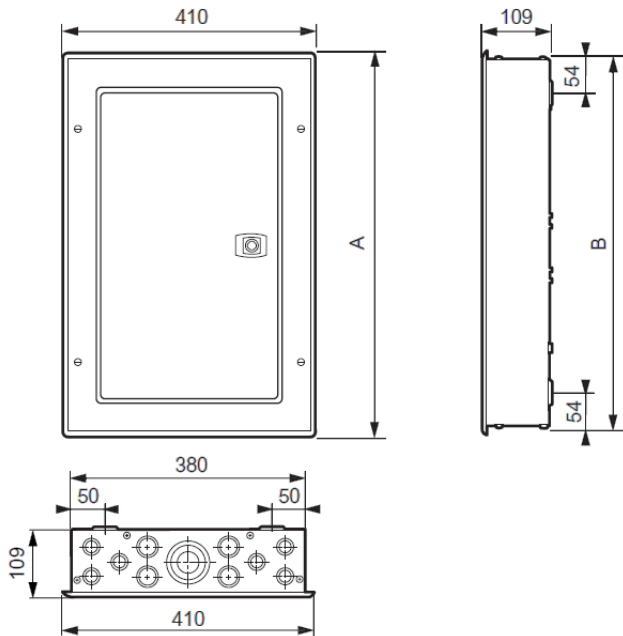
Item codes	Number of poles	Number of 3P ways	Maximum rating :
6 04430	12	4	250A
6 04431	18	6	250A
6 04432	24	8	250A
6 04433	30	10	250A
6 04434	36	12	250A
6 04435	42	14	250A
6 04436	48	16	250A
6 04437	54	18	250A

Maximum rating 250 A (main circuit breaker: DRX series MCCBs)

Item codes	Number of poles	Number of 3P ways	Maximum rating :
6 04440	18	6	250A
6 04441	24	8	250A
6 04442	30	10	250A
6 04443	36	12	250A
6 04444	42	14	250A
6 04445	48	16	250A
6 04446	54	18	250A

3. DIMENSIONS

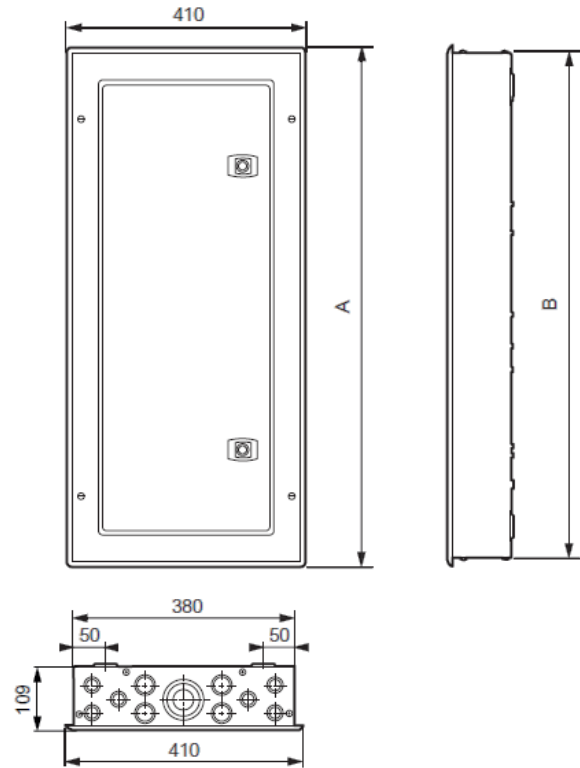
Distribution boards from 12 to 24 poles (outgoing terminals)



Cat.Nos	Number of poles	Dimensions (mm)	
		A	B
6 044 00	12	622	594
6 044 01	18	676	648
6 044 02	24	730	702
6 044 30	12	622	594
6 044 31	18	676	648
6 044 32	24	730	702
6 044 40	18	622	594
6 044 41	24	676	648

Number of knockouts	Size of the knockouts		
	∅18 / ∅27 mm	∅27 / ∅32 mm	∅32 / ∅52 / ∅65 mm
Top	2	2	1
Bottom	2	2	1

Distribution boards from 30 to 54 poles (outgoing terminals)



Cat.Nos	Number of poles	Dimensions (mm)	
		A	B
6 044 03	30	784	756
6 044 04	36	838	810
6 044 05	42	892	864
6 044 06	48	946	918
6 044 07	54	1000	972
6 044 33	30	784	756
6 044 34	36	838	810
6 044 35	42	892	864
6 044 36	48	946	918
6 044 37	54	1000	972
6 044 42	30	784	756
6 044 43	36	838	810
6 044 44	42	892	864
6 044 45	48	946	918
6 044 46	54	1000	972

Number of knockouts	Size of the knockouts		
	∅18 / ∅27 mm	∅27 / ∅32 mm	∅32 / ∅52 / ∅65 mm
Top	2	2	1
Bottom	2	2	1

4. GENERAL FEATURES

4.1 Technical properties

- Degree of protection: IP30 - IK08 without door
IP40 - IK08 with door
- Color of the cabinet : White RAL 9003
- Maximum voltage 480 V~
- I_{cw} 17 kA · 0,25 s
- I_{pk} 34 kA
- Temperatures: -5 °C ÷ +50 °C
- Full type tested 50 °C continuously

4.2 Row materials

Frontal panel: steel (1.2 mm thickness)
Door: steel (1.2 mm thickness)
Chassis: steel (1 mm thickness)

5. CONFORMITY AND APPROVALS

- Compliant to IEC 61439-3
- Fire resistance in according to IEC 60695-2-1
750 °C/s

6. EQUIPMENTS AND ACCESSORIES

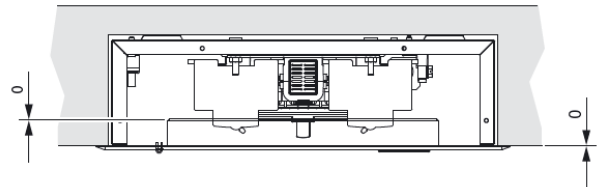
6.1 Equipments

- Complete range of distribution boards: from 12 to 54 total poles (outgoing terminals) flush or surface mounting
- Main circuit breakers
 - ✓ up to 125 A with all MCBs series
 - ✓ 125 A or 250 A with DRX series
- Outgoings terminals
 - ✓ up to 63 A with all MCBs series
- Complete range of accessories

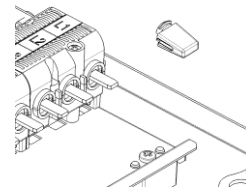
Supplied with: mounting box, door with handle, faceplate, fully isolated tin plated copper busbar.

6.1 Accessories

Joining kit installation



Insulating caps: item 605494



Fixing supports for terminal blocks: consisting of two insulated fixing supports for terminal blocks for earth connections; item 605493

Blanking plate (RAL7035) separable into modules or ½ modules for a total of 18 modules; item 001665

For technical documentation, test reports, commercial information or any other needs please refer to the local LEGRAND office.