EKDB15

Waterproof Distribution Box ---------- Standard_IEC62208



Product Overview

EKDB15 series weatherproof distribution box features a robust ABS enclosure with a high-clarity polycarbonate (PC) inspection window, engineered for indoor and sheltered commercial or light-industrial environments. Covering 2 to 24 modular capacities, the series provides dependable physical protection and aesthetic circuit organization for standard modular din-rail components.

With an IP65 ingress rating and IK08 impact resistance, the enclosure effectively shields internal equipment against heavy dust accumulation and direct water splashes. Designed for quick and secure installation, the box incorporates integrated cable entries and user-friendly latching to streamline both daily operation and routine maintenance.

Features

IP65 Protection

Premium foamed-in-place sealing gasket ensures dependable protection against dust penetration and low-pressure water jets.

Dual-Material Architecture

Rigid ABS base and cover paired with an impact-resistant, high-transparency PC window allow instant visual status checks.

Concentric Metric Knockouts

Pre-embossed multi-diameter concentric knockouts on top and bottom enable fast, clean breakout to fit standard metric cable glands.

Padlockable Anti-Tamper Latch

The inspection window latch integrates a dedicated padlock hole, allowing security padlocks or wire seals to prevent unauthorized access and inadvertent switching.

Optional Terminal Bars

High-quality full copper terminals are available as an option to provide convenience for wiring.

Technical Data

Standard	IEC/EN 62208:2023
Ways	2, 5, 8, 12, 15, 18, 24
Layers	Single layer for 2, 5, 8, 12, 15, 18 ways
	Double layers for 24 ways
Current capacity	125A (Maximum)
Installation	Surface-mounted
Base & cover material	ABS
Window material	Polycarbonate
Protection degree	IP65
Impact resistance	IK08
Rated voltage (Un)	400V AC
Rated insulation voltage (Ui)	690V AC
Color	Base/Cover: Light grey RAL 7035
	Windows: Transparent clear
Cable entry	Standard pre-embossed concentric metric knockouts (Custom patterns available on request)
Fire resistence	650°C/ 30s
Operating temperature	-25°C to +40°C
Terminal blocks (N/PE)	Optional

Product Selection Form

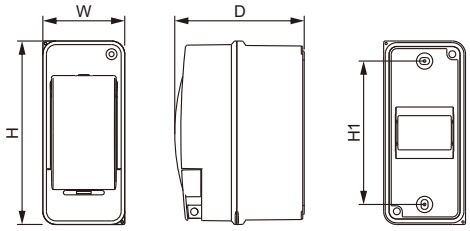
					
Model	Without terminal	EKDB15-2	EKDB15-5	EKDB15-8	EKDB15-12
	With terminal	-	EKDB15-5T	EKDB15-8T	EKDB15-12T
Ways		2	5	8	12
Layers		Single			
Neutral bar configuration		-	3 holes	5 holes	8 holes
Ground bar configuration		-	3 holes	5 holes	8 holes

EKDB15

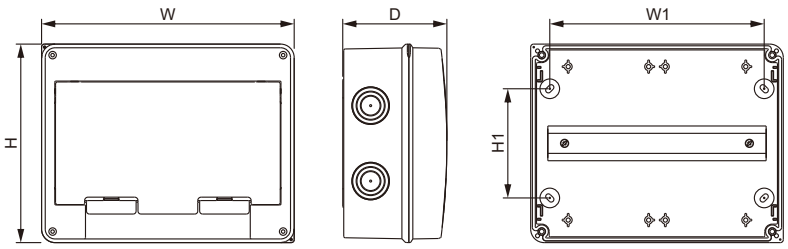
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Model	Without terminal	EKDB15-15	EKDB15-18	EKDB15-24
	With terminal	EKDB15-15T	EKDB15-18T	EKDB15-24T
Ways		15	18	24
Layers		Single		Double
Neutral bar configuration		8 holes	8 holes	2×8 holes
Ground bar configuration		8 holes	8 holes	2×8 holes

Dimension(mm)



2 ways



5-24 ways

Model	W	H	D	W1	H1
EKDB15-2	56	126	89	-	98
EKDB15-5	129	170	100	92	105
EKDB15-8	183	170	105	146	105
EKDB15-12	255	200	105	216	110
EKDB15-15	309	200	105	266	110
EKDB15-18	363	200	105	320	110
EKDB15-24	270	360	107	226	270