EKDB19

Flush-Mounting Modular Distribution Box

Standard_IEC 60670
IEC 62208



Product Overview

EKDB19 Series flush-mounting modular distribution boxes are designed for final electrical distribution in residential and commercial buildings, compatible with both solid masonry walls and hollow partitions. Available in 1 to 3 rows from 9 to 39 modules (18 mm), the range covers diverse circuit installation requirements.

Key Features

Reversible 180° Opening Door
Symmetrical front cover can be rotated 180° horizontally to reverse door hinging (left/right) without removing hinge pins. Transparent door opens fully to 180°.

IP40 Ingress Protection
Provides IP40 protection with door closed, shielding internal switchgear against solid foreign objects ⩾1.0mm.

Integrated Bubble Spirit Level
Built-in spirit level integrated into the base box for instant, hands-free levelling during installation.

Slim Flush Profile
Ultra-thin bezel sits flush against the wall, delivering a seamless and unobtrusive architectural aesthetic.

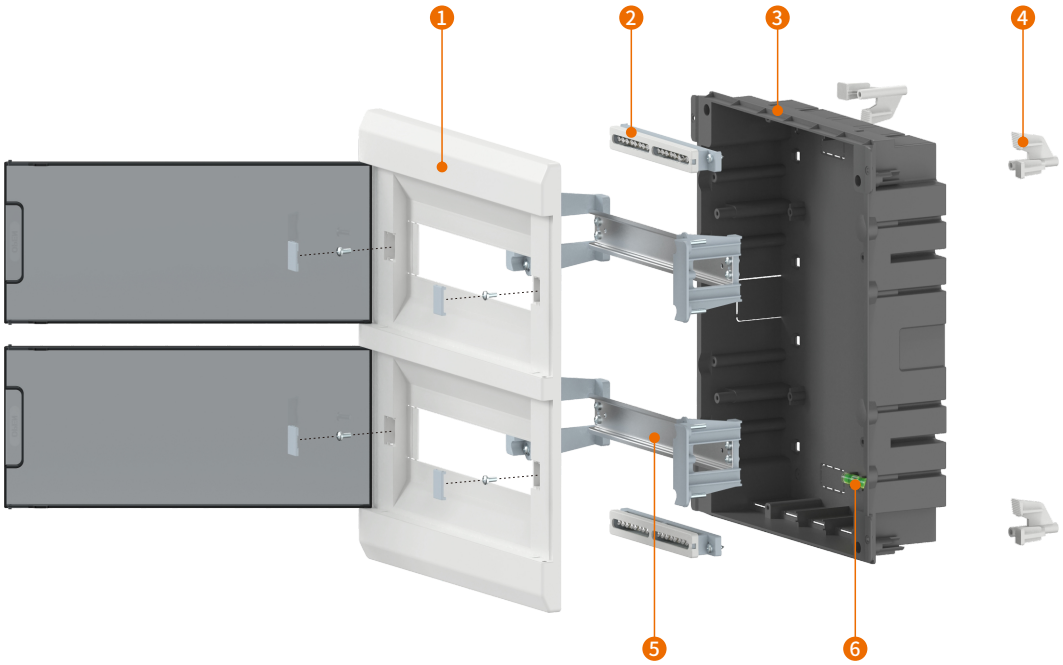
Engineering Plastics
Transparent door made of polycarbonate (PC);
Front cover and mounting base made of ABS.

Multi-Directional Cable Knockouts
Pre-scored conduit knockouts on all four sides and base, accommodating multiple conduit diameters for clean cable entry.

IK07 Mechanical Impact Resistance
Complies with IEC 62262, withstanding up to 2 Joules of impact energy to resist accidental shocks and mechanical deformation.

Drywall Fixing Claws (Optional)
For securing the distribution box to plasterboard and other lightweight partition walls.

Product Structure



1. Removable faceplate with transparent door
2. N/PE terminal bars (optional)
3. Flush-mounting box for masonry or dry partitions
4. Drywall fixing claws (optional)
5. Removable DIN rail chassis
6. Integrated bubble spirit level





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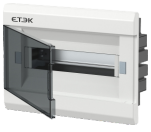
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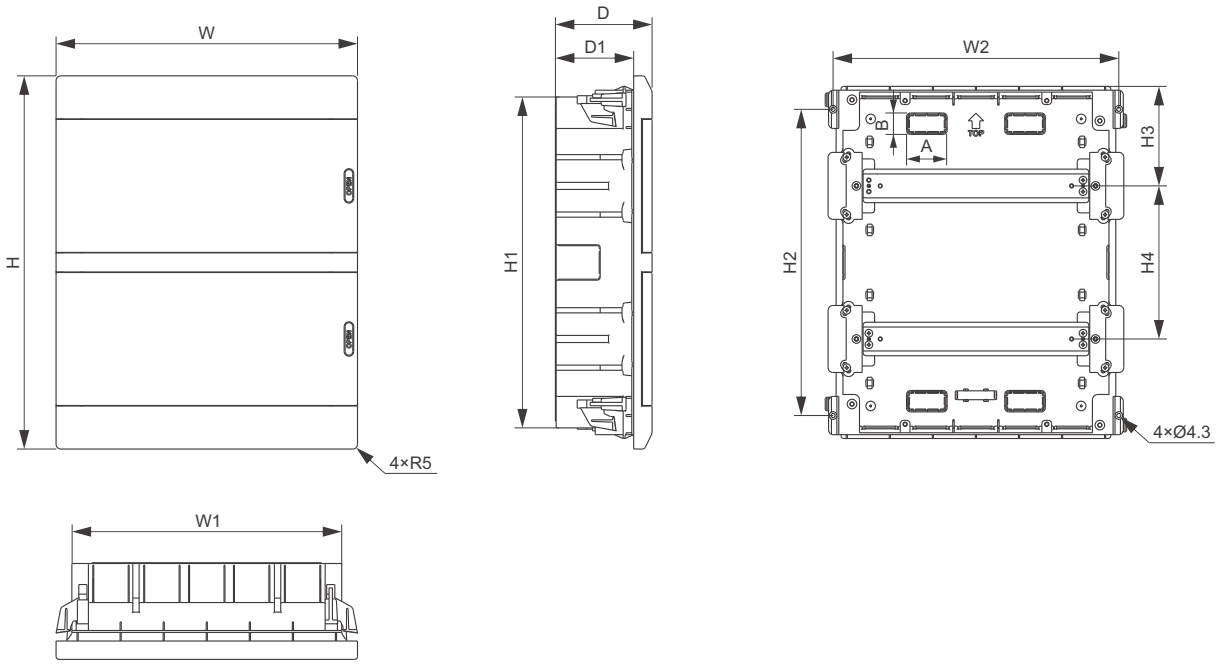
Technical Data

Standard	IEC/EN 60670-24, IEC/EN 62208:2023
Mounting type	Flush-mounted (masonry walls / hollow partitions)
Ways	9, 13, 18, 26, 39
Rows	Single row for 9, 13, 18 ways
	Double rows for 26 ways (2×13)
	Triple rows for 39 ways (3×13)
Rated operational voltage (Ue)	AC 230/400V, 50/60Hz
Rated insulation voltage (Ui)	AC 400V
Rated current (In)	Max. 125A
Degree of protection	IP40 (with door closed, IEC 60529)
Mechanical impact protection	IK07
Door operation	180° door opening; reversible front cover for left/right hinging
Material	Transparent door: Polycarbonate (PC)
	Front cover & flush base: ABS
Color	Front cover: White (RAL 9003)
	Door: Smoked transparent
	Base: Dark grey
Operating temperature	-25°C to +60°C
Mounting rail	35×7.5mm symmetrical DIN rail (EN 60715)
Optional accessories	N/PE terminal bars, drywall fixing claws

Product Selection Form

						
Model	Without terminal	EKDB19-9	EKDB19-13	EKDB19-18	EKDB19-26	EKDB19-39
	With terminal	EKDB19-9T	EKDB19-13T	EKDB19-18T	EKDB19-26T	EKDB19-39T
Ways		9	13	18	26	39
Rows		Single			Double	Triple
Neutral bar configuration		5 holes	9 holes	9 holes	2×9 holes	2×9 holes
Ground bar configuration		5 holes	9 holes	9 holes	2×9 holes	2×9 holes

Dimension(mm)



Model	W	H	D	W1	H1	D1	W2	H2	H3	H4	A	B
EKDB19-9	243±1.5	210±1.5	96±1	210	165.8	76.8	226.8	140	94	-	30	20
EKDB19-13	315±1.5	230±1.5	96±1	282	185.8	76.8	298.6	160	104	-	40	20
EKDB19-18	423±2	230±1.5	96±1	390	185.8	76.8	406.6	160	104	-	40	20
EKDB19-26	315±2	390±2	101±1	282	345.8	81.8	298.6	320	104	160	40	20
EKDB19-39	315±2	550±2	101±1	282	505.8	81.8	298.6	480	104	160	40	20