dewon
ELECTRIC

Distribution Boards

Product Technical Specification

Introduction

•The foundation of system is protection. This primarily consists of MCBs, RCCBs, RCBOs, Isolators and a host of other modular devices. Based on System, dewon's Knight-series of Distribution Boards meet all the requirements of modern installation for domestic, commercial or industrial applications.

Construction

•Blending aesthetics, functionality and safety, the Knight-series of dewon Distribution Boards are manufactured with high precision, extra thick and high quality CRCA steel sheets. These Distribution Boards undergo a seven-tank phosphating process to ensure anti-rust conditioning, superior finish and lasting strength. Premier quality powder coating is applied using the latest techniques.

Colours

•In addition to meeting all the technical requirements, dewon's Knight - series of Distribution Boards come in two shades, Standard Midas Grey (RAL 6166) and Structural Grey (RAL 7035), allowing you an aesthetically pleasing choice.

Installation

•Knight-series of dewon Distribution Boards are universal mounting type, which means that they can be either flush or wall mounted. These Distribution Boards are provided with removable top and bottom gland plates with adequate numbers of knockout, enabling easy installation and connection of conduits of all sizes for top and bottom entry of cables. Double door construction of Distribution Boards facilitates easy removal of door intermediate plate. A 15deg correction is possible if the metal box is wrongly installed.

Protection

•Knight-series Distribution Boards offer two types of protection-IP42 degree with a metal door and IP20 degree without a door. The highest degree of attention has been paid to the safety aspect of the Distribution Boards, considering that they are installed in close proximity to people. An intermediate plate ensures total safety, as no live parts are exposed when the door is opened.

Reliability features :

Conforms to Major Standard

Tested as per IS/IEC 61439 -3

Features :

- Current Rating: Max 100 AMPS.
- Short Circuit rating - 10 kA.
- Number of distribution ways: Single pole MCB – 4 ways to 20 ways and Three pole MCB – 4 ways to 12 ways.
- Enclosure : Powder coated 1.1mm CRCA sheet steel.
- Color : Midas Grey, RAL 6166 shade & Standard Grey RAL 7035
- Degree of protection – IP 40.
- Suitable for surface & flush mounting
- Raised neutral link for easy wiring
- Detachable din bar with end stoppers for easy assembly of MCBs
- Supplied with fully shielded Busbar
- Level marks for providing indication for fitment in wall
- Prominently placed earthing screws on either side
- Supplied with Neutral & Earth Link

Reliability features :

Overview :

- Small distribution boards for modular installation devices with 55 and 55 to 70 mm device mounting depths
- Modular width 1 MW r 18 mm
- Cut-out height in the cover for shock protection: 45 mm.
- Guided by soft and flexible teeth which fold themselves around the cables in the plugin, latching sliding flange, the cables are easily fed into the enlarged terminal compartment.
- For modular device designs up to 70 mm device mounting depth, the wiring space behind the standard mounting rails has been enlarged to 12 mm.
- The sheet-steel door and its handle in modern design enable fast and concealed lock installation.
- The mechanical locking device in the frame ensures safe closing of the door.
- The frame has a high mechanical rigidity.
- The equipment racks are made of impact-resistant plastic ensuring high dimensional stability.
- The standard mounting rails can be equipped prior to installation in the wall recessed boxes.
- The combination of sheet steel and plastic provides the highest possible degree of safety for the electrician or user.

Equipment

The distribution boards can be equipped with modular installation devices, such as MCBs and RCCBs, up to a device mounting depth of 55 mm or 70 mm for Snap-On fixing on the 35 mm x 7.5 mm standard mounting rails according to EN 60715.

Application

The Small distribution boards are suitable as sub-distribution boards or floor panel boards for all applications in electrical building installation. Owing to their small mounting depth, they can be used in residential and non-residential buildings as well as in schools, commercial buildings and shops close to the respective load centres.

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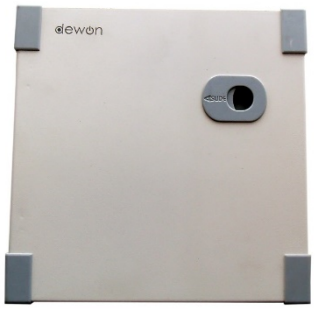
Knight Series – SPN (Without door)

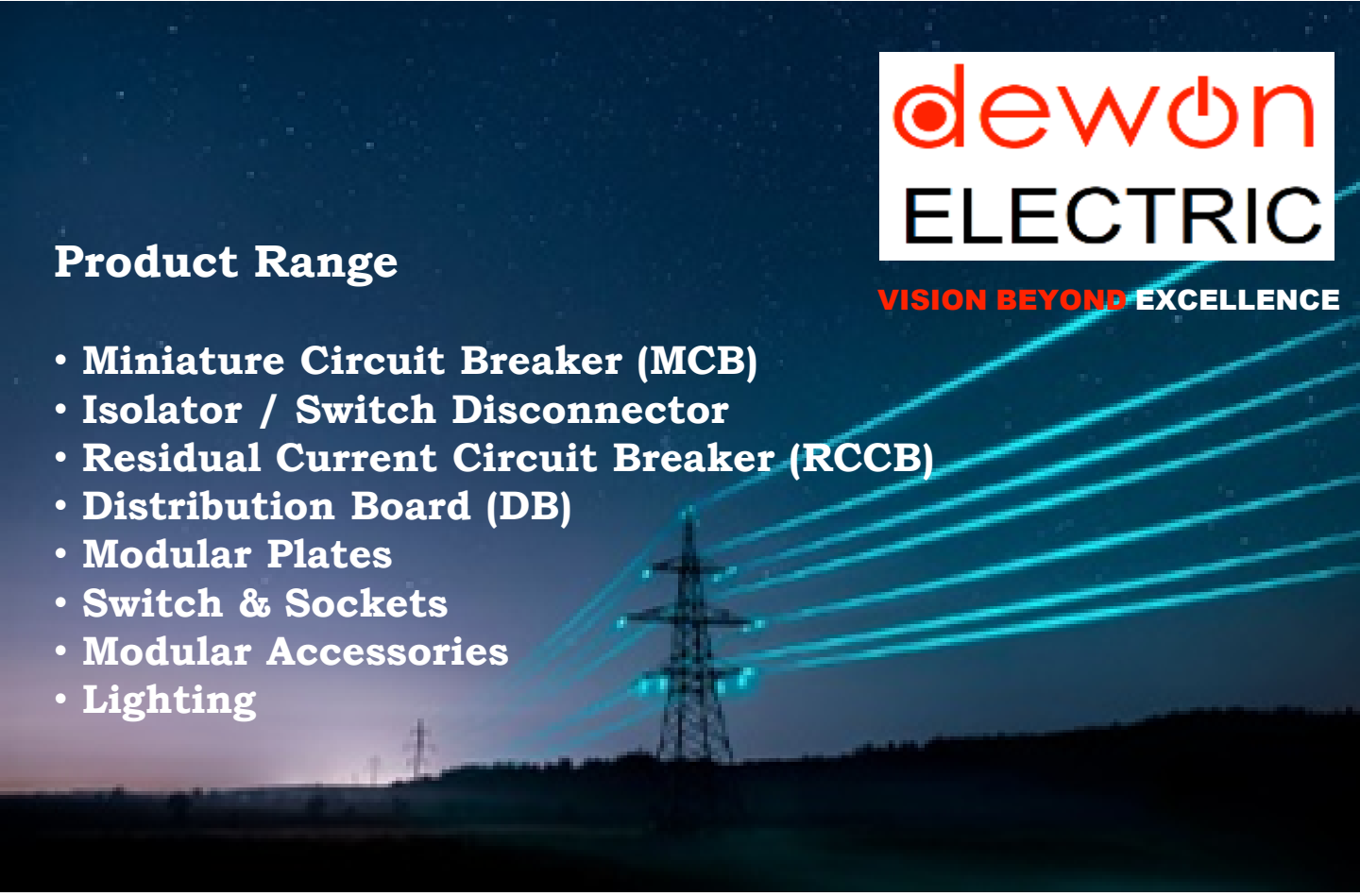
Code No.	Item	Type	Modules	
IP20	Distribution Boards for Single Pole with Neutral (Without Door)		Incomer	Outgoings
CB01DB4001	Distribution Boards for 4 Way Single Pole with Neutral (Without Door)	4 Way	2	4
CB01DB6001	Distribution Boards for 6 Way Single Pole with Neutral (Without Door)	6 Way	2	6
CB01DB8001	Distribution Boards for 8 Way Single Pole with Neutral (Without Door)	8 Way	2	8
CB01DB1001	Distribution Boards for 10 Way Single Pole with Neutral (Without Door)	10 Way	2	10
CB01DB1201	Distribution Boards for 12 Way Single Pole with Neutral (Without Door)	12 Way	2	12
CB01DB1601	Distribution Boards for 16 Way Single Pole with Neutral (Without Door)	16 Way	2	16
CB01DB2001	Distribution Boards for 20 Way Single Pole with Neutral (Without Door)	20 Way	2	20

Knight Series – SPN (Double door)



Code No.	Code No.	Code No.	Item	Type
IP 40	IP 42	IP 40 (Glass Cover)	Distribution Boards for Single Pole with Neutral (Double Door)	
CB02DB4001	CB04DB4001	CB05DB4001	Distribution Boards for 4 Way Single Pole with Neutral (Double Door)	4 Way
CB02DB6001	CB04DB6001	CB05DB6001	Distribution Boards for 6 Way Single Pole with Neutral (Double Door)	6 Way
CB02DB8001	CB04DB8001	CB05DB8001	Distribution Boards for 8 Way Single Pole with Neutral (Double Door)	8 Way
CB02DB1001	CB04DB1001	CB05DB1001	Distribution Boards for 10 Way Single Pole with Neutral (Double Door)	10 Way
CB02DB1201	CB04DB1201	CB05DB1201	Distribution Boards for 12 Way Single Pole with Neutral (Double Door)	12 Way
CB02DB1601	CB04DB1601	CB05DB1601	Distribution Boards for 16 Way Single Pole with Neutral (Double Door)	16 Way
CB02DB2001	CB04DB2001	CB05DB2001	Distribution Boards for 20 Way Single Pole with Neutral (Double Door)	20 Way

Code No.	Code No.	Item	Type
TPN			
IP40	IP42	Distribution Boards for Three Pole with Neutral (Double Door)	
CB03DB4001	CB06DB4001	Distribution Boards for 4 Way Three Pole with Neutral (Double Door)	4 Way
CB03DB6001	CB06DB6001	Distribution Boards for 6 Way Three Pole with Neutral (Double Door)	6 Way
CB03DB8001	CB06DB8001	Distribution Boards for 8 Way Three Pole with Neutral (Double Door)	8 Way
CB03DB1001	CB06DB1001	Distribution Boards for 12 Way Three Pole with Neutral (Double Door)	12 Way
HTPN & VTPN			
HTPN IP42	VTPN IP42	Distribution Boards for Three Pole with Neutral (Double Door) Horizontal & Vertical	
CB07DB4001	CB08DB4001	Distribution Boards for 4 Way Three Pole with Neutral (Double Door)	4 Way
CB07DB6001	CB08DB6001	Distribution Boards for 6 Way Three Pole with Neutral (Double Door)	6 Way
CB07DB8001	CB08DB8001	Distribution Boards for 8 Way Three Pole with Neutral (Double Door)	8 Way
CB07DB1001	CB08DB1001	Distribution Boards for 12 Way Three Pole with Neutral (Double Door)	12 Way



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VISION BEYOND EXCELLENCE

Product Range

- Miniature Circuit Breaker (MCB)
- Isolator / Switch Disconnector
- Residual Current Circuit Breaker (RCCB)
- Distribution Board (DB)
- Modular Plates
- Switch & Sockets
- Modular Accessories
- Lighting

Factory Address :

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