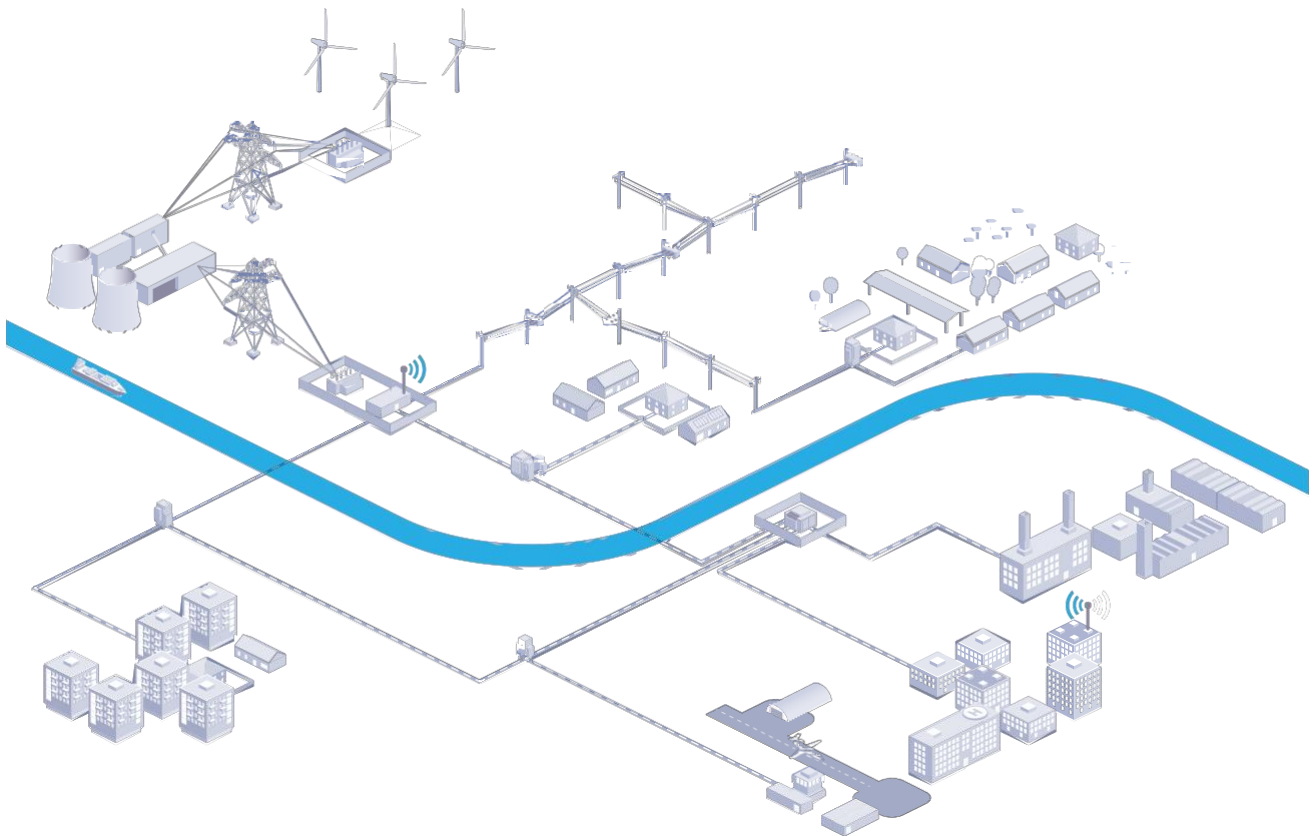


# Electric LV Distribution Cabinets DATCO Type LVDB



**DATCO is an Egyptian leader in Electric power L.V. Distribution Cabinets with over 15 years' industry experience.**

Specializing in high-performance LV switchgear, electric cabinets, we develop, supply engineering solutions and services for utility, industrial and commercial applications.

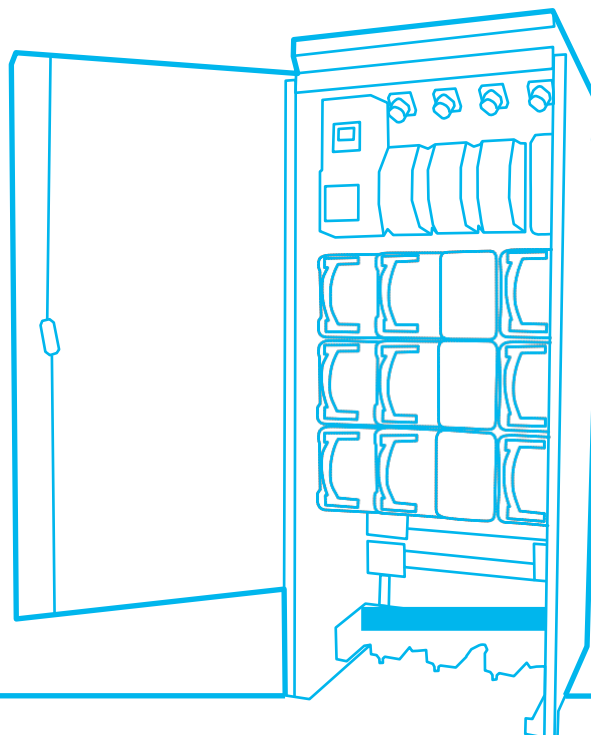
This enables the safe and reliable distribution of energy to homes and businesses worldwide.

To find out more about us, visit:  
**[www.badrygroup.com/DATCO](http://www.badrygroup.com/DATCO)**

# DATCO Type LVDB

## Electric Low Voltage Distribution Cabinets

The comprehensive product portfolio includes wall, ground and transformer mounting cabinets suitable for a variety of different applications. The GDB is a TMO cabinet features the enhanced safety Acu-lock fuse handle. The MDB, SDB are Main and Sub-main distribution board cabinets



LVDB Distribution Cabinet	Rated voltage	Busbar rated current	Protection	Fuse type	Number of outgoing fuse ways	Mounting	Installation	Page
<b>GDB</b> TMO Acu-lock Transformer Mounted, Outside Cabinet	400 V	1600 A	Fuse	BS88 J	4 to 8	Transformer mounted	Outdoor	5
<b>MDB</b> Mains Distribution Boards	400 V	630 A	Fuse	BS88 J	Up to 45	Wall / ground	Indoor	6
<b>SDB</b> Sub-mains Distribution Boards / DB Panels	400 V	630 A	Fuse	BS88 J	Up to 5	Wall	Indoor	7

# GDB / TMO

## Transformer Distribution Cabinet

Transformer mounted BS88 J type fused distribution cabinets. The term AcuLok signifies the accurate and positive locking operation of fuse handles on to the fuse ways in a single movement. The fuse handle has deep skirt shrouding to protect the operator from any arc flash during fuse handle manipulation.



### Characteristics

- Innovative, safe and operator friendly AcuLok technology
- Up to 8 outgoing fuse ways with 630 A rating
- Deep skirt shrouding around fuse handle for protecting operators against arc flash
- Independent load make – load break disconnecter switches for all three phases
- Insulated Rogowski coil tube per fuse handle
- Multi-functional digital meter with communication options
- Veam Power Lock standby generator sockets with earth for emergency supply
- IP34D protection for indoor and outdoor installation

### Technical Data

Rated voltage	400 V
Rated current outgoing fuse ways	630 A
Rated current load break disconnecter	1000 / 2000 A
Mode of fault current interruption	Fuse
Number of outgoing fuse ways	4, 5, 6 or 8
Fuse types	BS88
Mounting options	Transformer mounted with 'F' type flange
Cable connection	3C / 4C, 300 mm <sup>2</sup>

# Mains Distribution Boards (MDB)

Mild steel wall mounting distribution boards for 3 phase systems configurable with either a single incoming bank of triple pole J type slotted tag fuses or with an additional outgoing bank of triple pole J type fuses for mixed developments requiring a split supply greater than 100 A.



## Characteristics

- Up to 45 outgoing 3 phase fuse ways
- 1 J and 2 J versions available in left or right hand layouts
- Top or bottom entry
- 2 door design with segregated access to DNO fuses
- Thumb screw operated fuse handles with 92 mm BS88 J type fuses
- BS7657 outgoing fused ways
- Polyester powder coated steel enclosure
- Suitable for 3C or 4C networks
- Pre-drilled removable gland plates

## Technical Data

Busbar rated current	630 A
Rated voltage	400 V
Rated insulation voltage	690 V
Fuse way maximum rating	630 A
Max incoming cable size	4C, 300 mm <sup>2</sup>
Cable connection	Via mechanical shear off connectors

# Sub-mains Distribution Boards (SDB)



Wall mounting cabinets which accept single incoming supply and provide up to 5 outgoing J type triple pole fuse ways for indoor applications only.

## Characteristics

- Up to 5 outgoing 3 triple pole fuse ways
- Thumb screw operated fuse handles with 92 mm BS88 J type fuses
- IP2XB internal protection
- Configurable for direct connection to busbar
- Double door cabinets
- Suitable for 3C or 4C networks
- Polyester powder coated steel enclosure

## Technical Data

Busbar rated current	630 A
Rated voltage	400 V
Rated insulation voltage	690 V
Fuse way maximum rating	630 A
Max incoming cable size	4C, 300 mm <sup>2</sup>
Cable connection	Via mechanical shear off connectors

# Energy Services

## Complete product lifecycle solutions

**Our aim at BADRY DATCO is to ensure that you consistently get the very best from our technology – and your budgets. With our integrated set of product lifecycle services, ranging from after sales support to training and consultancy, we provide incisive expertise and timely assistance throughout the lifecycle of your high performance DATCO Electric Cabinets.**

Whether you are managing extensive distribution networks, expanding, updating or automating your operation, DATCO has the products and services to give you peace of mind that your assets are being effectively managed and maintained.



# Complete product lifecycle solutions

## 1. Installation and commissioning

- A. Off-loading and site erection
- B. Connections
- C. Commissioning

## 2. Warranties and service package

- A. Extended warranties on equipment
- B. Wide range of onsite / off-site support packages
- C. Up to 60% cost savings on spare parts and labor

## 3. Site surveys and technical audits

- A. Documentation of site equipment
- B. Switchgear condition investigation
- C. Maintenance scheduling

## 4. Consultancy

- A. Consultancy for extension, upgrades and retrofitting of switchgear to maximize asset performance and avoid unexpected failures and production losses

## 5. Testing

- A. Primary and secondary current injection testing
- B. Protection relay and TLF testing
- C. CT mag curve testing
- D. CT polarity and ratio testing
- E. TEV and thermal assessment
- F. RTU testing
- G. FPI testing

## 6. Training

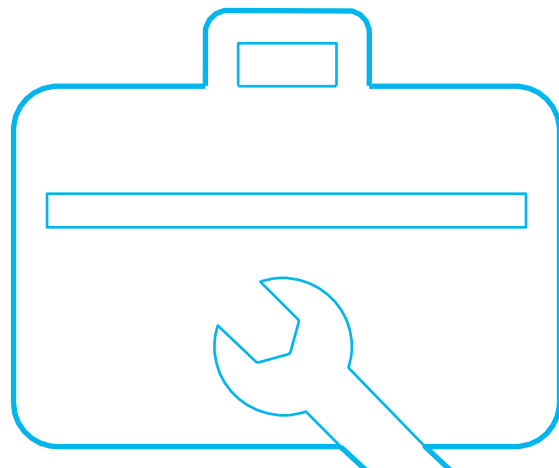
- A. Tailor made courses for supervisors, engineers, technicians, operators, programmers and maintenance teams

## 7. Retrofitting

- A. On site and off site retrofitting and refurbishment of switchgear products
- B. Installation of motor retrofit kits

## 8. De-commissioning

- A. SF6 gas handling
- B. RMU site removal and disposal
- C. Oil site removal and disposal





**Disclaimer**

DATCO has a policy of continuous research and development and accordingly reserves the right to change the design and specification of its products without prior notice.

*DATCO Engineering Solutions*

[www.badrygroup.com/DATCO](http://www.badrygroup.com/DATCO)

# ***DATCO***

***Distribution And Transfer Cabinets' Occupations***

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