

# DB185



**connectwell**  
THE RIGHT CONNECTION

185 sq.mm Compact Distribution Blocks.

db185 distribution block are used for single phase distribution systems. These blocks can either be mounted on a Din Rail or can be Panel mounted.

## TECHNICAL DATA

|                                 |                            |
|---------------------------------|----------------------------|
| Rated Voltage                   | 1000 V                     |
| Rated Current                   | 353 A                      |
| Tightening Torque - Input Side  | 19 Nm                      |
| Tightening Torque - Output Side | 2 Nm                       |
| Housing Material                | Polymide                   |
| Product Function                | Compact Distribution Block |
| Wire Entry Orientation          | Side Entry                 |
| Mounting Possibility            | DIN 35/DIN 35-15 Rail      |
| Operated by                     | Screw Driver               |
| Rated Surge Voltage             | 6 KV                       |
| Pollution Degree                | 3                          |

## CONNECTION DATA

|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Conductor Cross Section Stranded min.- Input Side           | 95 mm <sup>2</sup>  |
| Conductor Cross Section Stranded max. - Input Side          | 185 mm <sup>2</sup> |
| Conductor Cross Section Stranded min.- Output Side          | 4 mm <sup>2</sup>   |
| Conductor Cross Section Stranded min.- Output Side          | 2.5 mm <sup>2</sup> |
| Conductor Cross Section Stranded min.- Output Side          | 1.5 mm <sup>2</sup> |
| Conductor Cross Section Stranded max.- Output Side          | 35 mm <sup>2</sup>  |
| Conductor Cross Section Stranded max.- Output Side          | 25 mm <sup>2</sup>  |
| Conductor Cross Section Stranded max.- Output Side          | 16 mm <sup>2</sup>  |
| Conductor Cross Section Stranded min AWG/KCMIL.- Input Side | 3/0 AWG             |
| Conductor Cross Section Stranded max AWG/KCMIL.- Input Side | 350 kcmil           |
| Stripping Length- Input Side                                | 27 mm               |
| Stripping Length-Output Side                                | 12 mm               |

## DIMENSIONS

|                                  |         |
|----------------------------------|---------|
| Height with DIN 35 x 15 mm rail  | 74 mm   |
| Height with DIN 35 x 7.5 mm rail | 68 mm   |
| Length                           | 94 mm   |
| Width (Thickness)                | 53.3 mm |

## ORDERING INFORMATION

| CAT. NO. | DESCRIPTION                                                  | STD. PACK |
|----------|--------------------------------------------------------------|-----------|
| DB185    | 185 sqmm Compact Distribution Terminal Block in Grey colour. | 1         |

## ACCESSORIES

| IMAGES | CAT. NO.      | DESCRIPTION                                     | STD. PACK |
|--------|---------------|-------------------------------------------------|-----------|
|        | CA701-1M      | Din 35 Rail unslotted 1 meter                   | 50        |
|        | CA701-2M      | Din 35 Rail unslotted 2 meter                   | 50        |
|        | CA701-2M-S    | Din 35 Rail slotted 2 meter                     | 50        |
|        | CA701-1M-S    | Din 35 Rail slotted 1 meter                     | 50        |
|        | CA701-15-1M   | Din 35 Rail 15 deep unslotted 1 meter           | 50        |
|        | CA701-15-1M-S | Din 35 Rail 15 deep slotted 1 meter             | 50        |
|        | CA701-15-2M   | Din 35 Rail 15 deep unslotted 2 meter           | 50        |
|        | CA701-15-2M-S | Din 35 Rail 15 deep slotted 2 meter             | 50        |
|        | SCPH2         | Phillips Screwdriver for Phillips Recess screws | 10        |

## APPROVALS



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RATINGS AS PER STANDARDS

| STANDARDS                                          | UL 1059   | IEC/EN60947-7-1     |
|----------------------------------------------------|-----------|---------------------|
| Approvals                                          | UL        | CE                  |
| Conductor Cross Section Stranded min.- Input Side  | 3/0 AWG   | 95 mm <sup>2</sup>  |
| Conductor Cross Section Stranded max. - Input Side | 350 AWG   | 185 mm <sup>2</sup> |
| Conductor Cross Section Stranded min.- Output Side | 16 AWG    | 1.5 mm <sup>2</sup> |
| Conductor Cross Section Stranded max.- Output Side | 6 AWG     | 16 mm <sup>2</sup>  |
| Rated Voltage                                      | 600 V     | 1000 V              |
| Rated Current                                      | 310 A     | 353 A               |
| Tightening Torque - Input Side                     | 227 lb-in | 19 Nm               |
| Tightening Torque - Output Side                    | 27 lb-in  | 2 Nm                |