# Fix-o-Rail 150

## The distribution board, custom designed more than ever

NEW VERSION

Fix
-O-
Rail
150

# Innovative
## The best values reinvented

The Fix-o-Rail 150 distribution board, a value established during last 25 years, was looked into and tested once more with the specific requirements of installers.

The result: a number of practical details that make the difference. Installation can be completed faster and easier thanks to the following features:
- Cable-entry plates at top and bottom side
- Simple cutting of cable-entry plates
- Larger break-out sections in the side and back-wall
- Improved cable handling

**Time saving and ease of use maximized**

# Versatile
## Universal

The range of distribution boards exists in different versions, 1 to 4 rows. You can couple them horizontally with each other by means of a coupling set. The applications of Fix-o-Rail 150 are almost endless; it can be installed in new buildings, for renovation or extension of residential, small shops, restaurants and offices...

**More efficient than ever**
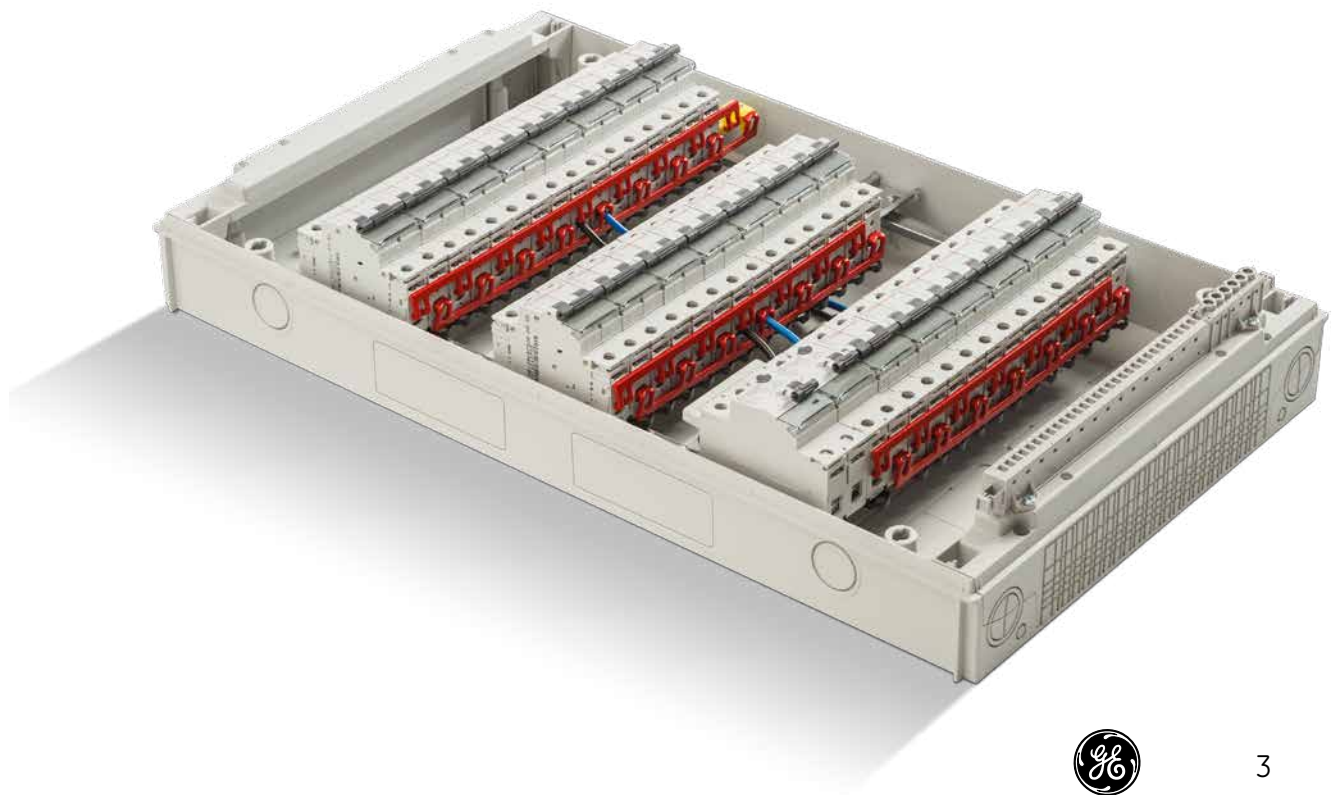
# Thought through
## Still easy though

Thanks to a strong rear-panel, the Fix-o-Rail 150 distribution board can even be installed on uneven surfaces. The entire inner space remains for cable management.

**Easier to use than ever**

# Conform
## Standards

EN 61439-3
CE and CEBEC marking
Halogen-free

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# The ideal distribu

# Fix-o-Rail

## Cable management
Simple power cable installation.

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## Rigid frame
30mm of wiring space
behind the DIN-rail.

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## Cable-entry plates
Easy access from bottom and top.
Cable-entry plate completely removable.
Simple cutting of cable-entry plates.

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*Easy cutting of cable entry plates - quick breaking out.*

# ution-board:
# 150

**Board coupling**
Quick coupling of boards.

**Channels**
Additional channels allow for easier wiring connections

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**Strong back-wall**
The strong back-wall ensures a quick installation on uneven walls.

**Knock-outs**
Quick and easy.

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*Cable-relief (optional) - Screwless earth-rail*

# Fix-o-Rail 150

## Document-holder
Integrated document-holder from the backside.

## Door
The door is available in two versions: transparent or plain. Hinged and locked at three points, 180° door opening angle, the door can be hinged on the left or right side.

The door has a clearly visible hand-grip and can be equipped with a key-lock.

The aesthetics of the door give the whole distribution board a design look.

## Cover-plate
The distribution board is finished by a solid and stylish cover-plate, manufactured out of a high-grade thermoplastic material, colour RAL9010. Each row allows for the installation of modular devices with a total width of 18 modules. The cover-plate positions itself on the base, it is installed by four captive quarter-turn screws. Self-adhesive labels can be placed on the cover plate for circuit identification.

## Screwless earth-bar
Cable-section: 6 x 16mm$^2$ and 21 x 4mm$^2$.
Delivered with each enclosure.

## Wiring space

Large wiring space of 150mm between 2 DIN-rails.
Space for 18 modules per row.
Large wiring space of 30mm between base and mounting-frame, without obstruction - for an easier cable installation.

## Cable-entry plate

Removable cable entry plate can be easily installed and secured with fixing screws. Adaptable notched design allows the quick and easy customisation of the cable entry plate.
Cable with cable gland or universal cable entries M25 or M32 can be laid in. They are kept in place with the help of the fixing screws.

## Mounting frame

The easy to remove mounting frame is installed in the base. High quality feel to the mounting frame, achieved using an innovative, u-shaped vertical profile with clinched DIN-rails.

## Base

The shallow base is manufactured from high-grade thermoplastic material, color RAL9010 (white). Rear and side walls form one rigid, sturdy construction.

## Cable-relief

Cables can be fixed to the base with the help of the optional cable-relief bars.

## Wall fixation

The oval fixation-points ensure an easy fixation of the distribution board and give the possibility to have a perfectly levelled installation by the central fixation point. Several fixation-points possible (4 to 7), depending on the site conditions.

## Knock-outs

Easy to remove knock-outs are positioned in the back-and side-wall – for coupling of bases. Extra channels can be cut-out for additional wiring space between two distribution boards.

# Fix-o-Rail 150

## Surface mounting

### Fix-o-Rail 150                                    IP40

**Packaging includes**
- Earth-rail (screwless)[1]
- Cable entry-plate
- One blanking plate
- 7 insulating caps
- Circuit identification:
  - adhesive labels
  - adhesive pictograms
- Installation guide

EN 61439-3

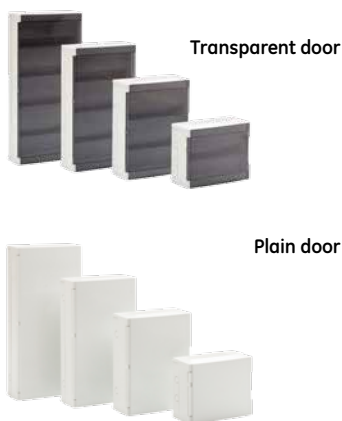- Total safety
- Complete
- Time saving
- Quality
- Design

(1) FOR 4-row includes 2 screwless earth-rails.
Halogens are not intentionally added and are not expected to be present.

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### Fix-o-Rail 150    Distribution board RAL9010

| # of rows | # of modules | Dimensions H×W×D (mm) | In | Ref. No. | Pack. |
|---|---|---|---|---|---|
| **Transparent door** | | | | | |
| 1 | 18 | 270×355×150 | 80A | **610636** | 1 |
| 2 | 36 | 450×355×150 | 80A | **610637** | 1 |
| 3 | 54 | 600×355×150 | 100A | **610638** | 1 |
| 4 | 72 | 750×355×150 | 100A | **610639** | 1 |
| **Plain door** | | | | | |
| 1 | 18 | 270×355×150 | 80A | **610646** | 1 |
| 2 | 36 | 450×355×150 | 80A | **610647** | 1 |
| 3 | 54 | 600×355×150 | 100A | **610648** | 1 |
| 4 | 72 | 750×355×150 | 100A | **610649** | 1 |

Clamping section screwless earth-rail $6 \times 16mm^2$ and $21 \times 4mm^2$

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### Fix-o-Rail 150    Accessories

| Description | Ref. No. | Pack. |
|---|---|---|
| **Terminals** | | |
| 63A - Connection range $4 \times (10 \times 16mm^2)$, Cu section 6,5 × 9mm | **610022** | 18 |
| 160A - Connection range $4 \times (1 \times 10$ to $50mm^2$ incoming $+ 3 \times 6$ to $35mm^2$ $+ 8 \times 2,5$ to $16mm^2$ outgoing), Cu section 12 × 10mm 20kA (10 ms) Icw: 6,2kA (1 s) | **617992** | 1/5 |
| 160A - Connection range $4 \times (10 \times 10mm^2)$, Cu section 12 × 5mm | **610020** | 16 |

## Accessories (continued)

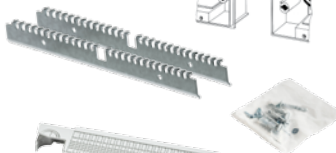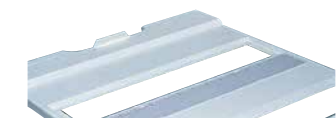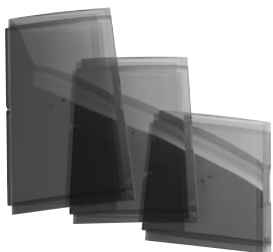| Description | Ref. No. | Pack. |
|---|---|---|
| **Protective shroud** | | |
| For 160A terminal (ref. 610020) | 610021 | 1 |
| **Support with screwless earth-bar** | | |
| Connection: 6x16mm$^2$ and 21x4mm$^2$ (Included with all distribution boards) | 610396 | 1 |
| **Support with earth or neutral terminals** | | |
| Cable section: 14 x 16mm$^2$ | 610386 | 4 |
| Cable section: 18 x 16mm$^2$ | 610385 | 4 |
| **Support with terminal bars** | | |
| Cable section: 2 (17 x 16mm$^2$) | 610532 | 4 |
| **Support with terminal bars L1-L2-L3-N** | | |
| Cable section: 4 (5 x 16mm$^2$) | 610387 | 4 |
| **Coupling set (2 pcs)** | | |
| Allows to couple two Fix-o-Rail 150 enclosures horizontally | | |
| 1 set is needed to couple two enclosures. | 600509 | 1 |
| **Cable relief (2 pcs) with 4 fixation screws** | 610630 | 1 |
| **Set:** 4 quarter-turn screws for cover-plate, 7 isolation caps, 4 screws for cable entry-plate, 4 screws for screwless earth-rail | 610628 | 1 |
| **Cable-entry plate (2 pcs) with 4 fixation screws** | 610635 | 1 |
| **Lock** | | |
| Security lock with 2 keys | 610170 | 1 |
| **Blanking plate** | | |
| Length: 72mm, cut-out height: 45mm, breaking sections per 9mm | 610142 | 4 |
| **Labels and labelholders** | | |
| Set of 50 pieces | 610270 | 1 |
| **Adhesive pictograms** | | |
| For clear and permanent identification of circuits. Set of 50 pieces | 610380 | 1 |
| **Drawing pocket** | | |
| To be positioned at the bottom or top backside of the cover-plate | 610265 | 1 |
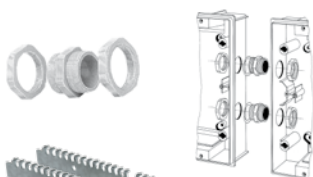
**Fix-o-Rail 150**

**Distribution boards**

| Description | Ref. No. | V.E |
|---|---|---|
| **Replacement door transparent** | | |
| For 1-row distribution board | **610277** | 1 |
| For 2-row distribution board | **610287** | 1 |
| For 3-row distribution board | **610297** | 1 |
| For 4-row distribution board | **610305** | 1 |
| | | |
| **Replacement door plain (RAL9010)** | | |
| For 1-row distribution board | **610654** | 1 |
| For 2-row distribution board | **610655** | 1 |
| For 3-row distribution board | **610656** | 1 |
| For 4-row distribution board | **610657** | 1 |

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# GE offers a complete solution:

### Aquaria

Aquaria (IP65) is the best choice for distribution boards in premises with a need for high protection degree like power plants, technical areas, small laboratories, etc..

### Fix-o-Rail Junior

Surface mounted enclosure made out of high-grade thermoplastic. For adaptations or extensions of existing installation with devices that increase safety or reduce energy consumption.

### Flex-o-Box

Wire, tube or cable can be inserted into the Flex-o-Box without the need of cut-outs. No cable ducts are needed because of the the component entries. The cover can be snapped on.

### ElfaPlus

With ElfaPlus, GE has one of the most comprehensive ranges available to meet the needs of today's demanding housing, commercial and industrial markets.

### RCCB

RCCBs are used to provide protection for people from the risk of electrocution and protection against the risk of an electrical fire.

### Unibis*/Fixwell*

Unibis compact MCBs, are developed to reduce the size of the distribution board to the minimum. The Fixwell screwless MCBs are developed to reduce time of installation to the absolute minimum.

### Comfort functions

Modular comfort devices are used for manual or electromechanical control of all kinds of electrical devices. Going from the control of heating equipment to lighting in staircases, halls etc.

### Pulsar T+/DIM

Time Relays can be used for conditioning of incoming source to exact predictable output.

### SurgeGuard

SurgeGuard provides protection of an electrical installation and all electrical and electronic devices connected to this installation against destructive surges.

# GE Energy Connections

Since Thomas Edison patented the world's first circuit breaker, Industrial Solutions has been transforming the future of electrification. We design electrical solutions at the crossroads of digital and industrial – smart, rugged and equipped to control electricity from the grid to its point of use. Every day, we partner with our customers to solve their toughest energy challenges and reimagine industry in a way that only the world's digital industrial company can.

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