



# Technical Data

## 13 Amp RCD Fused Connection Unit

### Brief product description:

A rugged, scratch resistant range, suitable for everyday use in commercial and industrial environments. Manufactured in heavy gauge steel and finished with epoxy powder coating.

### Features:

- Flat profile with rounded edges
- Colour coded terminals for easy installation
- Cable entry in front face with removable blanking piece and reversible cord grip
- 2 Earth terminals



MC554RCD

### Technical Specifications

Standard(s)	BS 1363 Part 4 & BS 7288
Rating	13 Amp 250V~
Trip current	30mA
Terminal Capacity	3 x 2.5mm <sup>2</sup> 2 x 4mm <sup>2</sup> 1 x 6.0mm <sup>2</sup>
RoHS Directive	No
WEEE Directive	No
Size	81.5mm x 81.5mm x 51mm

### Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
MC554RCD	13A RCD Fused	Plain PolyBag	Plain Inner	Plain Outer	1	10	50	/	5021166999149	5021166999156

### Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m <sup>3</sup> )
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
MC554RCD	13A RCD Fused							

# 13 Amp RCD Fused Connection Unit

## Safety Advice

### What is a safety RCD spur?

Your safety RCD spur continuously monitors the power supply to any electrical appliance hardwired into it; and cuts off the power within 40 milliseconds if an earth current fault is detected. This is fast enough to prevent a fatal electrical shock. Electrical appliances can become dangerous if the wiring becomes loose, if they or their power cords become damaged or if they get wet. Electrocutation is also possible if fingers, wet hair or other conductive bodies enter the appliance. In all these cases your safety RCD spur will instantly cut off the electricity before you or a member of your family receives a potentially fatal electric shock.

### Latching operation

If the unit loses supply - perhaps in a power cut or when a hazardous earth fault occurs - the RCD will trip and cut the power supply. When the supply resumes through the RCD, the appliance will revert to the original state, making it particularly useful for protecting indoor appliances such as refrigeration units.

**Due to latching operation, for safety this product should not be used for outdoor power tools and garden equipment.**

**Service conditions** - This RCD is only suitable for use under the following conditions of service:

- an ambient temperature range of  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ , with an average value not exceeding  $+35^{\circ}\text{C}$  over one full day;
- An altitude not exceeding 2 000 m above sea level;
- An atmosphere not subject to excessive pollution by smoke, chemical or flammable fumes; salt-laden spray; prolonged periods of high humidity or other abnormal conditions.
- Not suitable for exposure to direct radiation from the sun or other source of heat likely to raise the temperature above the designated ambient, nor may it be suitable for subjection to excessive vibration.

**Where service conditions differ from those prescribed above the advice of the manufacturer or responsible vendor should be sought.**

An RCD Spur should not be used as a substitute for basic electrical safety.

## Installation Information

### Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply **is switched off at the mains**. Either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

### Wire Identification – Twin & Earth Cable

**EARTH** = Green/Yellow Slewing

**NEUTRAL** = Black (pre Apr 04) / Blue (after Apr 04)

**LIVE** = Red (pre Apr 04) / Brown (after Apr 04)



**Technical Helpline: 0845 194 7584**

**If in doubt consult a competent electrician.**

The ends of the individual conductors should have the insulation removed by approx. 12mm. Any bare earth conductors should be sleeved to within 12mm of the ends. (These details are for general information only and conductor lengths may need to be trimmed in certain installations).

### General Installation Instructions

Switch off the power supply at the consumer unit and remove the fuse from the circuit.

### If Using The New Product To Replace An Old One

- Release the faceplate retaining screws and support the product as you remove it from the wall.
- It is essential that the new product is wired up in the same way as the old one.
- The simplest way is either to label each conductor with the location of the terminal to which it connects as you release it or to transfer one conductor at a time to the corresponding terminal on the new product. (Alternatively refer to the appropriate wiring diagrams for guidance)
- Before refixing the new product, double check your connections.
- Place the product into the wall box, ensuring that no wires are trapped.
- Once you are sure that all work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test.

### When Installing From New

- Select the appropriate size of mounting box (metal or patress) for either flush or surface mounting.
- Ensure that the mounting box is free of any plaster lumps and projecting screws in the central areas of the box.
- Always use cable of the correct rating and type.
- Route the cable through the most suitable entry point of the mounting box. If a metal box is used, ensure that a protective cable grommet is fitted.
- Carefully arrange the wiring so as to lie along the edges of the product or box, keeping the central area clear.
- To assist with the correct installation of this product please consult the appropriate wiring diagram. When connecting the new accessory ensure that only the bare end of the wire enters the terminal, and no bare wires are visible. Always tighten the terminal screws securely.
- An earth connection should always be made between the mounting box earth terminal, and the accessory earth terminal. If this earth wire is bare, it is essential that it is sheathed with a length of green/yellow sleeving.
- Carefully position the accessory into the wall box, ensuring that no wires are trapped between the plate and the wall, and fully secure using the fixing screws provided. Do not over-tighten the screws.
- Once you are sure that all work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test. The product is now ready for use.

### Safety RCD Fused Connection Unit With Flex Outlet

- Unscrew the two cord-grip screws and remove the blanking piece.
- Prepare the flexible cable from the appliance as shown in the diagram on the right.
- For flexible cable less than 6mm in diameter reverse the cord-grip so that the raised rib is in contact with the flex. Ensure the cable sheath is securely clamped using the cord-grip, as shown in the wiring diagram. Connect the wires to the correct terminal in accordance with the diagram on the right.

### Note

This product can also be used in "hard" wire installation. The blanking plug must be left in place, and the cable clamp is not used when there is no external flexible cable.



