

TEMPORARY DISTRIBUTION DATA SHEET

Reflex series Plug-in Site Electrics Equipment

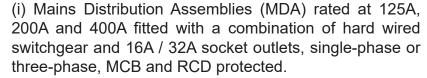
The REFLEX CA series of Controlled Access mains voltage site electrics equipment has been developed to meet the growing use on sites of plug-in site transformers, cabins, welding sets, etc.

To reduce the risk of essential loads from being unplugged, all mains voltage sockets and inlets are located behind hinged, padlockable doors, which can be locked shut once the plugs have been inserted into sockets.

REFLEX CA Mains Distribution Assemblies also incorporate a "hard wired" distribution facility to feed fixed equipment such as Tower Cranes, Hoists, Sub-Mains Distribution Assemblies, etc.





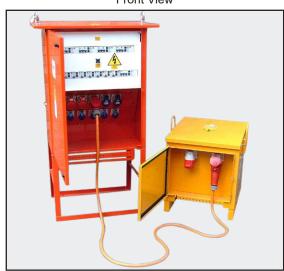


(ii) Site Transformers, 10 kVA three-phase, fitted with a 32A 5P 400V appliance inlet and a 32A 5P 400V through socket. The output of the transformer is fitted with conventional 16A and 32A 110V sockets with MCB and optional RCD protection. Hard wired, 110V lighting circuits can also be incorporated.

(iii) Extension leads are made from flexible, rubber cable and are suitable for mains voltage operation on site (providing sockets incoporate suitable electrical protection). Extension leads are available with 16A or 32A, 3P, 230V plugs and connectors and 16A or 32A, 5P, 400V plugs and connectors. Cable can be standard mains flexible (H07 RN-F) or it can incorporate a screen to provide additional protection.

Extension leads can be provided rated at 63A and 125A but these higher current sockets need to be interlocked in order to meet the requirments of BS 7375, which can impact on the design of the Reflex CA assemblies.

Please Turn Over for full specifications of the typical assemblied illustrated alongside.



R20 series MDA and RTA series Site Transformer Rear View - Doors Open



R20 series MDA and RTA series Site Transformer Rear View - Doors Closed

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Specifications of Products Illustrated Overleaf

Mains Distribution Assemblies

R20 series

Free-standing, IP44, Mains Distribution Assembly manufactured in accordance with BS EN 60439-4 with controlled access to distribution socket-outlets.

Incomer

Up to 200A TP or 4P MCCB with or without variable RCD protection

Distribution

Option A

Front - 8 way TP MCB pan assembly to accept up to 8 no. C60H series TP MCBs

Rear - 4 no. 32A 5P 400V sockets each protected by a 32A TP Type "D" MCB and a 40A,

4P, 30 mA RCD

8 no. 32A 3P 230V sockets each protected by a 32A SP Type "C" MCB and a 40A,

2P, 30 mA RCD

Option B

Front - 2 no. TP or 4P MCCBs rated at up to 160A, with or without variable RCD protection

Side - 8 way TP MCB pan assembly to accept up to 8 no. C60H series TP MCBs. Pan

mounted in a separate enclosure (not illustrated)

Rear - 4 no. 32A 5P 400V sockets each protected by a 32A TP Type "D" MCB and a 40A,

4P, 30 mA RCD

8 no. 32A 3P 230V sockets each protected by a 32A SP Type "C" MCB and a 40A,

2P, 30 mA RCD

In both options a total of 14 sockets can be fitted, rated at 16A or 32A, 230V or 400V, 3P or 5P.

Site Transformer

RTA series

Free-standing, IP44 Site Transformer manufactured in accordance with BS 4363:1998 with controlled access to 400V connectors.

400V Equipment

Incoming - Fitted with a 32A 400V 5P Appliance Inlet and Through Socket

Primary MCB - 16A TP Type "D" MCB

Transformer Rating - 10 kVA three-phase, continuously rated

Voltage Ratio - 400:110V, Delta Star, providing a Reduced Low Voltage Supply to BS7671

110V Equipment

Sockets - 2 no. 32A DP MCBs feeding 2 no. 32A 3P 110V sockets

4 no. 16A DP MCBs feeding 4 no. 16A 3P 110V sockets

2 no. 20A DP MCBs with 20mm glands for direct connection to lighting

circuits

Extension Leads

RXL series

Comprising 10 and 20 metre lengths of 6mm2, 5C, screened, tough rubber cable with a distinctive orange outer sheath. The cable is fitted with a 32A 5P 400V IPX4 Plug and Coupler and the copper wire screen is earthed within the plug. Leads can also be fitted with IPX7 connectors. A wider range of extension leads made from H07 RN-F cable is available.

IMPORTANT

Please note: on Construction Sites portable mains voltage equipment fitted with 16A and 32A plugs must be protected by a 30 mA RCD at source.

