



CHANNELL
Where The Industry Connects.

ORDERING GUIDE

Rocker Block™ External Termination Box

Channell Rocker Block External Termination Boxes provide a quick, convenient and reliable method of joining Exchange/Central Office (C.O.) cable pairs to subscriber drop wires. Designed for either pole or wall mounting, Rocker Block External Termination Boxes are available in both protected or unprotected versions, with or without cable tail. Heavy-duty IDC contacts allow a wide range of copper or steel drop wires to be terminated. Environmentally sealed and encapsulated rockers provide total protection against moisture and so ensure superior transmission properties.

Rocker Block terminal blocks are manufactured from high quality, UV stabilized thermoplastic materials that are corrosion-proof and impact resistant. Exchange/C.O. connections of all Rocker Block enclosures are encapsulated for total environmental protection.

Circuit access for testing is accomplished without the need to remove drop wires by using Test Probe 48A. This test probe clips onto the rocker allowing hands-free operation.

Rocker Block External Termination Boxes are rugged, heavy-duty and easy to install, requiring no special tools and will provide many years of trouble-free service. Rocker Block External

Termination Boxes are available factory-tailed, or on-site connection can be wired in the field as required.

Each rocker contains two contact elements, one for each wire of the pair. Exchange/C.O. wires are terminated to the contacts at the back of the block and then connected to the drop wires at the front, via the rockers. Operation of the rockers requires only a standard screwdriver, or 3/8" (9.5mm) can wrench. Drop wires can be easily removed by simply raising the rocker, allowing withdrawal of the drop wire. Grommets ensure retention of sealant inside each rocker. The fast-action screws serve to raise and lower the rockers, providing consistent terminations.



Features & Benefits

- All connections sealed or encapsulated for total environmental protection
- Suitable for mounting on walls, wooden, steel or concrete poles
- Factory-tailed or on-site wired versions available
- Supplied in protected or unprotected versions
- Drop wire conductor capacity of 0.5-1.2mm (24 AWG-18.5 AWG) with insulation diameter up to 5.0 mm (0.2")
- Test Probe 48A allows circuit testing without the need to remove drop wires
- Manufactured from high quality, UV stabilized, tough, impact-resistant materials
- Easy to install without the need for special tooling
- Excellent electrical performance
- Unparalleled reliability with proven track record

Dimensions mm (inches)

Box Size	2/3	2/6	10	20
Depth	70mm (2.75")	70mm (2.75")	63mm (2.48")	63mm (2.48")
Width	121mm (4.76")	225mm (8.85")	150mm (5.90")	170mm (6.69")
Height	103mm (4.05")	103mm (4.05")	205mm (8.07")	331mm (13.03")
Maximum Cable Ø's in mm.				
One Cable	11mm	11mm	11mm	16mm
Two Cable	—	11mm	—	—

Ordering Information

Rocker Block Specifications

Wire Range

- Conductor: 0.5mmØ min. 1.2mmØ max.
- Insulation: 1.0mmØ min. 5.0mmØ max.

Wire and Cable Retention

- Drop Wires: 50% of breaking load or 50N
- Cable (complete): 400N (20 pair x 0.5mm)
- Cable (conductors): 250N (20 pair x 0.5mm)

Temperature Range

- Connection temperature: -10°C to +50°C.
- In service: -25°C to +85°C.

Durability

- 50 reterminations of any size wire. Connections still capable of satisfying the ageing requirements below.

Ageing

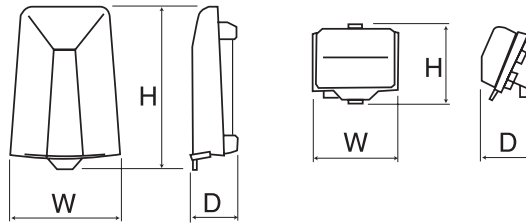
- Thermal cycle: 300 cycles -25°C to +75°C then...
- Thermal soak: +60°C for 100 days
- Resultant rise in connection resistance: 2.5 mohm max.

Moisture Resistance

- Tested with no front cover and 140VDC between adjacent contacts.
- Damp heat cycle: 10x24hr cycles. +25°C to +65°C 96% R.H. followed by salt mist: 100 hours
- Insulation resistance after this exposure: 1,000 Megaohms min.

Dynamic

- Vibration: 10g or 1mm displacement, swept from 10 to 150 Hz for 2 hours in each of 3 mutually perpendicular planes.
- Shock: 4000 bumps at 40g.
Resultant rise in connection resistance: 2.5 milliohm max.



10 and 20 Pair

2/3 Pair and 2/6 Pair

Untailed On-Site Wired (OSW) Rocker Blocks

Unprotected Protected Description

Part No.	Part No.	Description
RBM 2121	RBM 2221	2-pr. OSW Rocker Block in a 2/3-pr. termination box
RBM 3121	RBM 3221	3-pr. OSW Rocker Block in a 2/3-pr. termination box
RBM 2141	RBM 2241	2-pr. OSW Rocker Block in a 6-pr. termination box
RBM 3141	RBM 3241	3-pr. OSW Rocker Block in a 6-pr. termination box
RBM 4121	RBM 4221	4-pr. OSW Rocker Block in a 6-pr. termination box
RBM 5121	RBM 5221	5-pr. OSW Rocker Block in a 6-pr. termination box
RBM 6121	RBM 6221	6-pr. OSW Rocker Block in a 6-pr. termination box
RBS 1036	RBP 1036	10-pr. OSW Rocker Block in a 10-pr. termination box
RBS 2036	RBP 2036	20-pr. OSW Rocker Block in a 20-pr. termination box

Factory-Tailed Rocker Blocks

Unprotected Protected Description

Part No.	Part No.	Description
RBS 1004	RBP 1004	10-pr., 2.5m tailed Rocker Block termination box
RBS 1006	RBP 1006	10-pr., 5m tailed Rocker Block termination box
RBS 1012	RBP 1012	10-pr., 10m tailed Rocker Block termination box
RBS 2006	RBP 2006	20-pr., 5m tailed Rocker Block termination box
RBS 2012	RBP 2012	20-pr., 10m tailed Rocker Block termination box
RBS 1018	RBP 1018	10-pr., 15m tailed Rocker Block termination box
RBS 2018	RBP 2018	20-pr., 15m tailed Rocker Block termination box
RBS 1030	RBP 1030	10-pr., 25m tailed Rocker Block termination box
RBS 2030	RBP 2030	20-pr., 25m tailed Rocker Block termination box

Unprotected Rocker Blocks do not include a screen continuity wire unless specified. Tailed Rocker Blocks with alternative tail lengths are available upon request. Arrestors should be factory-installed to all protected Rocker Blocks. Specify required DC sparkover voltage.



CHANNELL

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Printed in U.S.A.
03035MTA