PowerCat Office Block™ Category 5E

Features and Benefits

Molex's OFFICE BLOCK was designed in accordance with TSB75 and is the ideal solution for open office cabling. This attractive and compact 1 port RJ45 unit facilitates a simple, organised installation for areas where space is limited.

A protected labelling facility accepts 6mm labelling tapes and the interior of the unique hinged cover of the unit, provides a write-on surface for port identification. The product is provided with snap-on shutters recommended for connector protection.

The block can be fitted using screws (not provided). Cable is installed from the rear of the block, using the knockouts provided and is retained by the unique strain relief feature which obviates the requirement for cable ties.

Dual colour coding of the IDC blocks provides the option of 568A or 568B wiring. Designed to support high speed data transmission systems, the Cat 5E RJSE connector is PowerSum compliant.

- Compact, attractive and versatile 1 port surface mount block
- Cable entry from rear knockouts
- Labelling facility
- Mounts with screws
- Shuttered
- PowerSum compliant
- Suitable for high speed data transmission
- Cover optionally removable to facilitate installation

Technical Information

Mechanical

Jack Connector

Operating Life :	Minimum 500 insertion cycles
Contact Material :	BrCu
Contact Plating :	UL 94VO Thermoplastic

IDC Connector

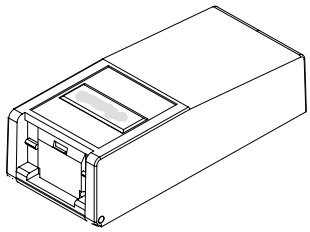
Operating Life :	Minimum 100 Reterminations
Contact material :	Copper based alloy
Contact Plating :	Sn/Pb over Ni
Wire Size :	2 x 22-26 AWG solid or stranded

Shutter

Rated for 1000 cycles

IDC Terminations

Suitable for 0.4mm - 0.6mm solid or stranded cable, maximum o.d 1.5mm. Two wires may be terminated for daisy-chain applications.



Electrical

D.C. Resistance :	<20 mΩ
D.C. Resistance Imbalance :	<2.0 mΩ
Insulation Resistance :	>100MΩ

Attenuation (dB)	@	1MHz	0.0121
	@	16MHz	0.0193
	@	100MHz	0.1052
Crosstalk (dB)	@	1MHz	-90.00
pair to pair	@	16MHz	-72.00
	@	100MHz	-46.00
PowerSum			
Worst Pair (dB)	@	100MHz	-42.00
Return Loss (dB)	@	1MHz	-59
	@	16MHz	-45
	@	100MHz	-25.5

Shipping weight (each) 40gms

Dimensions

80mm(L) x 35mm(W) x 23mm(H)

Order No.	Description
SID-00009-02	OFFICE BLOCK 1 Port RJ45 RJSE PowerCat, shuttered White 568A/B UTP Cat 5E
ASB-00001-02	Shutters White (100Pk)

Molex's standard colour is white. Other colours may be subject to minimum order quantities.

MOLEX PREMISE NETWORKS

Molex Premise Networks Corporate Headquarters
Tel: 603 324 0200
www.molexpn.com

Western Europe Headquarters
Tel: 44 (0) 1489 572111
www.molexpn.co.uk

Eastern Europe Headquarters
Tel: 48 22 36 92 51
www.molexpn.com.pl

Asia Headquarters
Tel: 852 2637 3759
www.molexpn.com.hk

South Pacific Headquarters
Tel: 61 3 9747 8322
www.molexpn.com.au

Molex Incorporated
Tel: 630 969 4550
www.molex.com

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