

RJ45 Sockets and Outlets

30 Series Sockets

This Clipsal socket has been developed expressly for 30 Series Clipsal products, including the 2000 Series, Standard Range, Metal Plate and C2000 Classic Range. The Clipsal socket is an extremely compact, self-contained unit which simply snaps into a wide range of Clipsal wallplates.

The compact size of the Clipsal socket provides versatility in its application.

Up to six sockets can be mounted onto a single standard wallplate and orientated either vertically or horizontally to suit all regions, and match existing electrical outlets and switchplates.

Additionally, the data socket simply snaps into a range of single aperture bezels and multi aperture architrave plates for limited space applications.

Features

- Fitted with proven KATT IDC connectors.
- Suitable for termination of UTP cable.
- Fits directly into Clipsal wallplates and panel-mount bezels. No need for adaptor collars.
- Terminates building cabling using either MOD-TAP KATT, Krone or AT&T 110 tools.
- Compact design (PCB - 21mm x 21mm x 32mm) enables versatility in installation.



30RJ88SMB5

The Clipsal Shutter-Mech

This shuttered outlet provides a revolutionary alternative to shuttered solutions. The shutter operates automatically, simply retracting when a plug is inserted and returning when the plug is withdrawn.

Features

- World's smallest shuttered RJ45 outlet.
- Universal mounting into all Clipsal wallplates.
- Unique patented shutter protects against dust and accidental damage.
- Category 5E compliant.



30RJ88SMB5SH

The Angled or Shuttered Solution

These outlets are made to suit any standard European style data plate.

For thin wall cavities, the angled plate provides the ideal solution in maintaining Category 5E compliance.

The shutter has a springclip enabling dust free contacts. These outlets suit the Clipsal wallplate, Cat. No. 2032HRJSA.

Features

- Category 5E compliant
- Reduced flylead bend radius
- Recessed jack prevents accidental damage



RJ88SMA5 & RJ88SMA5 ES RJ45

E CAT 5 MOD-CLIP

ENHANCED CATEGORY 5 COMPLIANT WORKSTATION OUTLET



FEATURES

- Enhanced Category 5 Performance compliant to Draft TIA568-A Enhanced Category 5 Standard (Addendum 4)
- Key component of MOD-TAP MegaPack — E CAT 5 Compliant UTP channel
- Minimises delay skew to less than 35 nanoseconds for total link
- Utilises state of the art surface mount technology for superior transmission characteristics
- Supports high speed advanced LAN protocols such as 622 Mbps ATM and Gigabit Ethernet which use Parallel Transmission Schemes, transmitting simultaneously over multiple pairs.
- Available in EIA 568A and EIA 568B wiring sequences
- MOD-TAP Wall Plates are available in Standard Rectangular Style (114mm x 71mm) and Square BT Standard Style (86mm x 86 mm).
- Fits directly into Clipsal and other industry standard panel-mount bezels. No need for adapter collars.
- Terminates building cabling using either MOD-TAP KATT, Krone or AT&T 110 tools
- Compact design (21mm x 21mm x 32mm) enables versatility in installation
- MOD-Clip can be fitted into a number of different third party wall plates so that either vertical or horizontal orientation installation is possible. This flexibility makes it suitable for applications in all countries throughout the Asia Pacific region
- Now available in a wide range of colours to complement any wall plate colour or office decor.

CONCEPT

The MOD-Clip outlet has been developed expressly for the Asia Pacific market with the same heritage as all MOD-TAP products. MOD-Clip is an extremely compact, self contained unit which simply snaps into a wide range of MOD-TAP and third party wall plates which are extensively used in Asia Pacific.

The compact size of MOD-Clip provides versatility in its application. Up to six outlets can be mounted onto a single standard size wall plate and oriented either vertically or horizontally to suit all regions, and match existing electrical outlets and switch plates.

For surface mount applications, the standard size wall plates compatible with MOD-Clip can be mounted on a variety of MOD-TAP and third party surface mount boxes.

MOD-Clip offers a wide choice of wiring sequences and colours, making it suitable for almost all environments.



S P E C I F I C A T I O N S

Electrical Characteristics

D.C. Resistance:	69 Milli-ohms
D.C. Resistance Imbalance:	20 Milli-ohms
Insulation Resistance:	> 100 Megaohms

Transmission Characteristics

Frequency MHz	Attenuation dB	PowerSum NEXT -dB	Return Loss -dB
1	0.02	81.19	57.95
4	0.02	70.07	50.14
8	0.02	64.07	44.16
10	0.03	62.26	42.29
16	0.04	58.15	38.13
20	0.04	56.33	36.12
25	0.04	54.42	34.11
31.25	0.04	52.31	32.22
62.5	0.04	46.03	25.99
100	0.11	41.29	21.81

Nominal Worst Case Performance Criteria for MOD-TAP E Cat 5 MOD-Clip outlets. Results from tests by Underwriters Laboratory (UL).

Mechanical Characteristics

Jack connector

Operating life:	> 750 maximum 1000 insertion cycles
Contact material:	Phosphor Bronze
Contact plating:	1.25 µm gold over 2.5 µm nickel
Body material:	UL 940VO Thermoplastic
Approvals:	UL, Austel

IDC connector

Operating life:	> 200 reterminations
Contact material:	Phosphor Bronze
Contact plating:	Sn\Pb over Nickel
Wire Accommodation:	2 X 0.4mm-0.6mm, (26-22 AWG) solid or stranded (Top only)
Termination Tools:	Accepts MOD-TAP, Krone and AT&T 110 tools

D I M E N S I O N S

MOD-CLIP

MOD-CLIP	HEIGHT OF MOD-CLIP FACE (mm)	WIDTH OF MOD-CLIP FACE (mm)	DEPTH OF MOD-CLIP FRONT TO REAR OF IDC (mm)	AREA OF REAR FOR PLATE (mm)
568A/B	21	21	30	23x23x32

WALLPLATE

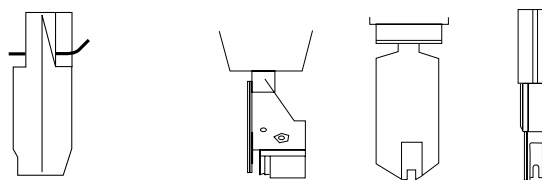
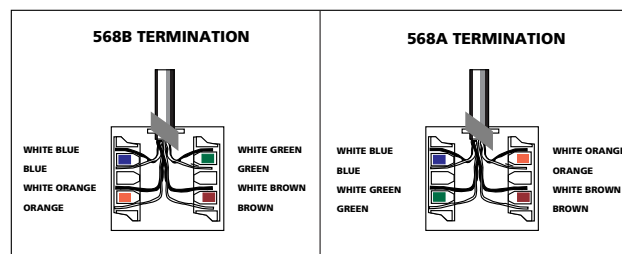
	NO. OUTLETS PER PLATE					
	1	2	3	4	5	6
STANDARD RECTANGLE PLATE (mm)	114x70	114x70	114x70	114x70	—	114x70
SCREW FIXING CENTRES (mm)	84	84	84	84	—	84
SINGLE BEZEL FURNITURE (mm)	34x34	—	—	—	—	—
HOLE PUNCH SIZE (mm)	25 x 25	—	—	—	—	—
SQUARE BT STANDARD PLATE (mm)	86x86	86x86	—	—	—	—
SCREW FIXING CENTRES (mm)	61	61	—	—	—	—

I N S T A L L A T I O N P R A C T I C E S

TERMINATION OF CABLE

1. Remove minimum of cable sheath (approx 25mm) to effect termination. Ensure not more than 13 mm of pair un-twisting occurs at the KATT IDC.
2. With wire placed into KATT IDC connector, ensure the terminating tool is held, perpendicular to the IDC assembly when performing the termination.
3. Bevelled or scissors cutting edge should be placed at same side as wire to be trimmed.
4. The tool should be aligned such that the cutting edge (110 chisel or MOD-TAP and Krone scissor) is over the shoulder side of the IDC. This is marked with KATT on the side.

TERMINATION SEQUENCE

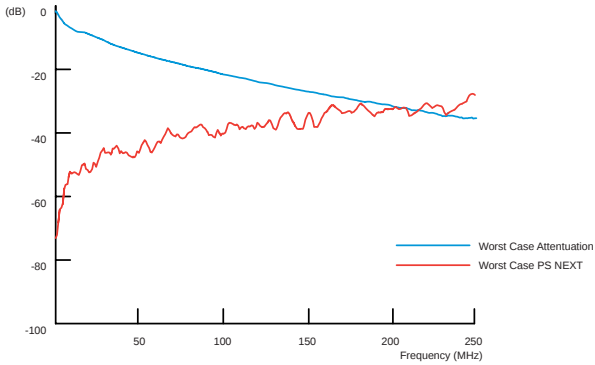


Part No.	Description
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30RJ88SMB5 UTP 568B RJ45 E CAT5
30RJ88SMB5SH UTP 568B RJ45 E CAT5 shutter
REPLACE * WITH THE FOLLOWING COLOUR CODE

5	2	4	8
IVORY	WHITE	BLACK	SOFT GREY
C	B	J	K
RED	BLUE	GREEN	YELLOW

MegaPack Channel PowerSum ACR Curves



Part No.	Description
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- Wall Plates to accommodate MOD-Clips**
- 95.C0042 1 Gang MOD-Clip snap on Bezel
 - 95.C0052 1 Gang Standard Rectangular MOD-Clip Wall Plate (Pacific)
 - 95.C0062 2 Gang Standard Rectangular MOD-Clip Wall Plate (Pacific)
 - 95.C0072 3 Gang Standard Rectangular MOD-Clip Wall Plate (Pacific)
 - 95.C0082 4 Gang Standard Rectangular MOD-Clip Wall Plate (Pacific)
 - 95.C0092 1 Gang Square BT Standard MOD-Clip Wall Plate (S.E.Asia)
 - 95.C0102 2 Gang Square BT Standard MOD-Clip Wall Plate (S.E.Asia)



Available in White only.