

TECHNICAL SPECIFICATIONS



Euromod II DG + 1xRJ45, M1 Angled, 568A/B, UTP PowerCat 6, White

Features summary

The Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. The module is compatible with the Euromod range of wallplates and is compatible with the Euromod range of wallplates and its angled design reduces patch cord bend radius, essential for C6 installations.

The Angled Euromod II module features The DataGate Plus Category 6 connector. This superior RJ45 IDC includes a unique integral shutter that not only protects the connector from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords.

The DataGate Plus connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate Plus Category 6 connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The DataGate Plus connector is also backwards compatible with CSE systems.

- 25x50 mm fascia
- Shuttered RJ45 DataGate Plus connector
- Protected labelling facility
- Euromod wall plate compatible
- Angled fascia

Compliant With

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002, FCC 68.

Electric parameters:

Resistance:	$\leq 20\text{m}\Omega$
Resistance margin:	$\leq 2\text{m}\Omega$
Insulation resistance:	$\geq 100\text{M}\Omega$

Transmission parameters:

Insertion Loss _[1-250MHz]	$\leq 0.02 \cdot \sqrt{f}$ dB
NEXT _[1-250MHz]	$\geq 54 - 20 \cdot \log(f/100)$ dB
FEXT _[1-250MHz]	$\geq 43.1 - 20 \cdot \log(f/100)$ dB
RL _[1 ≤ f < 50MHz]	30 dB
RL _[50 ≤ f < 250MHz]	$\geq 24 - 20 \cdot \log(f/100)$ dB
LCL _[1-250MHz]	$\geq 28 - 20 \cdot \log(f/100)$ dB

Mechanical parameters

Dimensions [mm]:	25x50x22
Colour:	White
JACK:	
Housing:	UL94V0
Operating life:	> 750 cycles
Contacts:	Phosphor bronze
Contact plating:	1.27 μm gold on 2.50 μm nickel
Contact force:	> 100 g
Plug retention force:	> 6.8 kg (15lb.)

Housing:	UL94V0
Operating life:	> 200 cycles
Contacts:	Phosphor bronze
Contact plating:	Sn 60%, Pb 40% alloy
Supported conductors:	24-22 AWG



Data Gate port labels:

CSP-00021-**
CSP-00022-**
CSP-00023-**
(60 pcs.)

„blank“
„computer“
„phone“

** Port labelling colour options:

01 - almond, 02 - white, 04 - black,
05 - ivory, 08 - grey, BL - blue, GR - green,
PP - purple, RD - red, RG - orange, YL - yellow

Conversion Cap that protects against RJ45 insertion
CSP-00033-** „voice“ (bag of 20)

** Colour options for conversion cap:

BL-blue, GR-green, RF - red, YL-yellow

REFERENCE INFORMATION

Part number	Name
MEU-00056-02	Euromod II DG+ 1xRJ45, M1 Angled, 568A/B, UTP PowerCat 6, White

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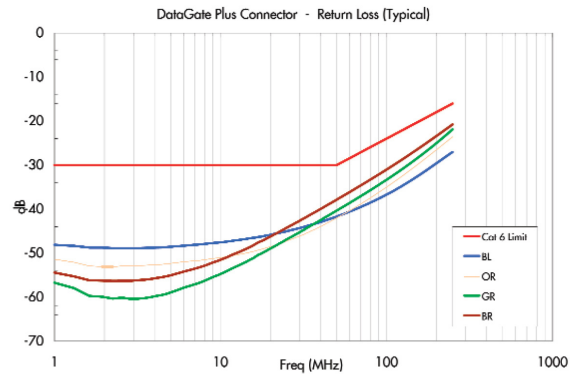
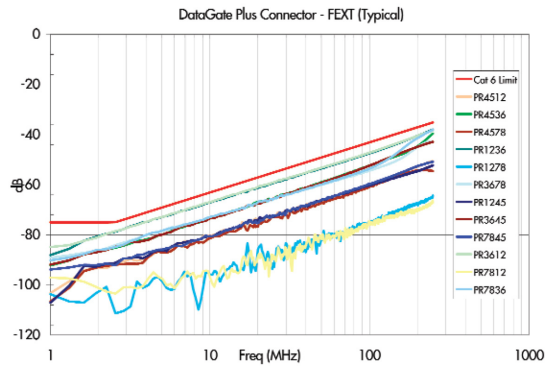
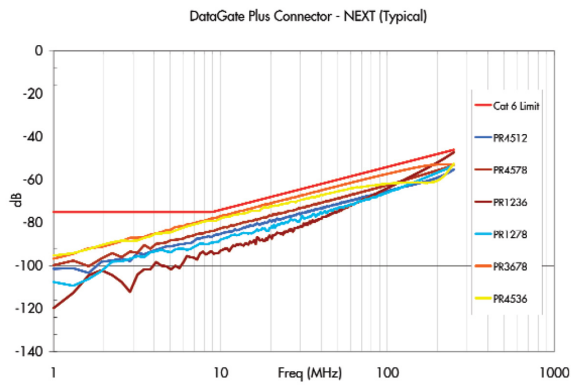
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DataGate Plus Worst Case (dB)								
Frequency (MHz)	NEXT		FEXT		Return Loss		Insertion Loss	
	SPEC	MOLEX	SPEC	MOLEX	SPEC	Molex	SPEC	Molex
1	-75.0	-95.3	-75.0	-84.9	-30.0	-48.1	-0.10	-0.02
4	-75.0	-85.3	-71.1	-75.0	-30.0	-48.8	-0.10	-0.02
8	-75.0	-79.1	-65.0	-68.9	-30.0	-47.9	-0.10	-0.02
10	-56.1	-77.2	-63.1	-67.1	-30.0	-46.7	-0.10	-0.02
16	-69.9	-73.0	-59.0	-62.9	-30.0	-43.1	-0.10	-0.02
20	-68.0	-70.8	-57.1	-60.8	-30.0	-41.3	-0.10	-0.02
25	-66.0	-68.9	-55.1	-59.1	-30.0	-39.3	-0.10	-0.02
31.25	-64.1	-67.2	-53.2	-57.2	-30.0	-37.4	-0.11	-0.02
62.5	-58.1	-61.1	-47.2	-51.4	-28.0	-31.2	-0.16	-0.03
100	-54.0	-57.3	-43.1	-47.2	-24.0	-26.9	-0.20	-0.05
200	-48.0	-50.7	-37.1	-40.5	-18.0	-20.2	-0.28	-0.07
250	-46.0	-48.7	-35.1	-38.0	-16.0	-18.2	-0.32	-0.09

NOTE:

Performance values shown in dB.

For NEXT, FEXT and Return Loss: the higher the negative value the better performance (eg. -73.0 better than -69.9).

For Insertion Loss: the lower the negative value the better the performance (eg. -0.02 better than -0.10)

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