Black/grey connectors

Black/blue connectors

Black/blue or black/grey Connectors?

Know the difference, and why!

Background

The traditionally accepted method for integration of luminaires and components in a lighting system with dimming and/or DALI communication has been via the 6 pole GST connection system. This has always used a black and grey connector configuration to facilitate connection of the Live, Earth, Neutral, Maintained Live and Dimming Pair, D1 and D2. This facilitates connection from an LCM to a luminaire or a daisy chain system linking together using extender cables and tee modules.

Following a long standing campaign by the structured wiring industry to change to a black/blue coding it is only a matter of time before this becomes legislation.

Why the change to black/blue connectors?

The reason for this proposed change is that the grey connector in the existing 6 pole configuration is a mains connector. This means it has a leading earth pin and is marked up with Live, Earth, and Neutral to identify the poles. In what has become the accepted industry standard wiring configuration the dimming pair are connected to the Earth and Neutral terminals. This means that the Earth and Neutral terminals are being used for 2 cables which have a function other than what is indicated by the poles of the connector.

With the blue connector there is no leading earth pin and the poles are marked 1,2 and 3. This means that the dimming pair can be connected to pins 2 and 3, with the Maintained Live connected to pin 1.

Are black/blue and black/grey connectors compatible?

Blue and grey connectors are NOT compatible. They have a different mechanical keyway so as to ensure that mains and control are kept separated throughout the system.

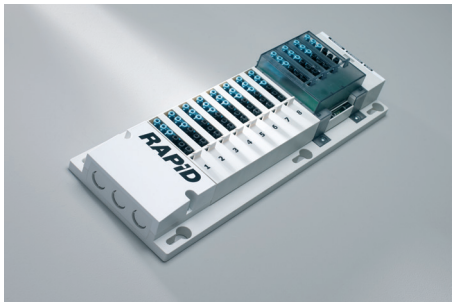
It is crucial to ensure that the correct colour coding is selected for the product range being installed on a project. This then needs to be continued throughout the project without mixing the grey and blue colour coding. As we change our ranges over to the new coding it is important to check which leads and connectors you require.

Black/blue Coding

Order Code	Description
BVITM6L303100W	3 core luminaire lead 3 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L305100W	3 core luminaire lead 5 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L308100W	3 core luminaire lead 8 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L403100R	4 core luminaire lead 3 metre 1.0mm2 c/w red plug black/blue coding
BVITM6L405100R	4 core luminaire lead 5 metre 1.0mm2 c/w red plug black/blue coding
BVITM6L408100R	4 core luminaire lead 8 metre 1.0mm2 c/w red plug black/blue coding
BVITM6L503100W	5 core luminaire lead 3 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L505100W	5 core luminaire lead 5 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L508100W	5 core luminaire lead 8 metre 1.0mm2 c/w white plug black/blue coding
BVITM6L603100R	6 core luminaire lead 3 metre 1.0mm2 c/w red plug black/blue coding
BVITM6L605100R	6 core luminaire lead 5 metre 1.0mm2 c/w red plug black/blue coding
BVITM6L608100R	6 core luminaire lead 8 metre 1.0mm2 c/w red plug black/blue coding
BVITM6-LPW	6 pole male connector (mates with LCM output) white cover black/blue coding
BVITM6-LPR	6 pole male connector (mates with LCM output) red cover black/blue coding
BVITM6-LPW-F	6 pole female connector white cover black/blue coding
BVITM6-LPR-F	6 pole female connector red cover black/blue coding

Compatible With

RAPID:
EBR-LCM8-8DD
EBR-LCM8-8AD
EBR-LCM8-8DD-EG
EBR-LCM8-8AD-EG



RAPID:
EBR-LCM10-10DD
EBR-LCM10-10AD
EBR-LCM10-10DD-EG
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EBR-LCM12-12AD
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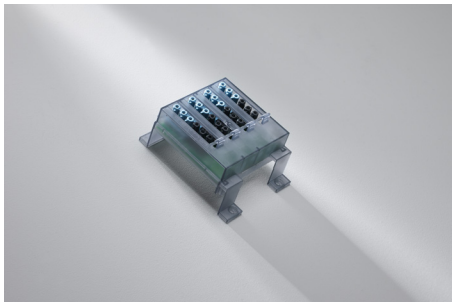
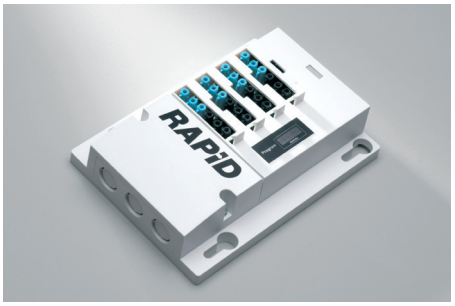
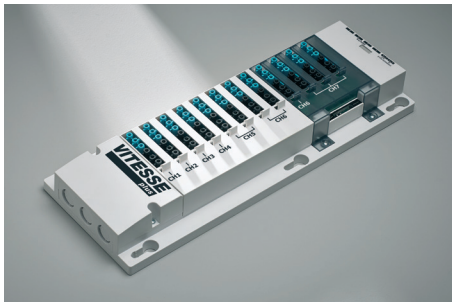


RAPID:
EBR-MOD2-2DD
EBR-MOD4-4DD
EBR-MOD2-2AD
EBR-MOD4-4AD



RAPID:
EBR-LCM3-1DD-B
EBR-LCM-DALIG64-B



Vitesse Plus:
VITP7-MB-DD
VITP7-MB

VITM6 Dimming Modules (black/blue):
BVITM6-S
BVITM6-E