



wall outlet semi-galvanic isolation

Product information

With the use of semi-galvanic isolated multimedia outlets the electrical potential on the inner conductors is effectively separated between the feeding network and the subscriber installation. The isolation between the two parts exceeds 2kV. This reduces the risk of damage on both the network equipment and the subscriber apparatus. Note that the outer conductors have full galvanic contact.



Technical specifications

Type	MM4-65DX-SGI
Item no.	52648
Version	Diplex, Terminated
DATA	Typical figures
Frequency range (MHz)	5 - 65 / 118 - 1000
Insertion loss reverse (dB)	0.8
Insertion loss forward (dB)	4.5
Return loss (dB) 10-57MHz	> 14
Return loss (dB) 126-1000	>10
Isolation to TV (dB) 5 - 65 MHz	> 45
Isolation to TV (dB) 118 - 862 MHz	> 17
Connector	F-Female
TV	Typical figures
Frequency range (MHz)	118 - 862
Insertion loss IN-TV (dB)	4.5
Return loss (dB)	> 10
Connector	IEC-Male
FM	Typical figures
Frequency range (MHz)	87.5 - 108
Insertion loss IN-FM (dB)	5
Return loss (dB)	> 10
Connector	IEC-Female
General	
Input return loss (dB) 10-57MHz	> 14
Input return loss (dB) 126-1000MHz	> 10
Screening effectiveness	Class A†
Galvanic isolation	Semi-isolated‡
Dimension (H x W x D mm)	82 x 82 x 38

† According to EN60728-2:
Class A: 5-300 MHz ≥ 85 dB, 300-470 MHz ≥ 80 dB, 470-950 MHz ≥ 75 dB, 950-1006 MHz ≥ 55 dB

‡ Withstands a DC voltage across the inner conductors of 2120V for at least one minute, while maintaining an insulating resistance of at least 3.0MΩ, i.e. the leakage current does not exceed 0.7mA.