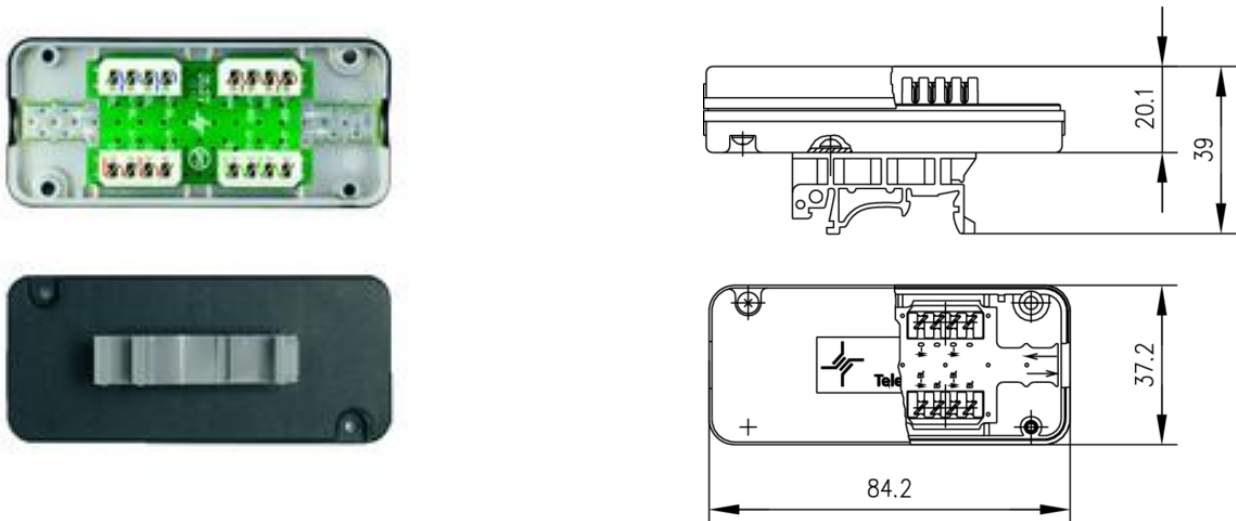


order number: J00060B0069

module for shielded and unshielded installation cables, with mounting rail adaptor



Technical Attributes	
Short name	VM 8-8 Cat.7 _A with Mounting Rail Adaptor
Remarks	module for shielded and unshielded installation cables, with mounting rail adaptor
Colour	black

Product description

The VM 8-8 modules are employed as connections and extensions of commercially available, shielded and unshielded twisted-pair installation cables (Cat.5e/ Cat.6/Cat.6_A/Cat.7/Cat.7_A) in the following applications: transition point/consolidation point, cable extensions, damaged cables, cable rerouting.

When VM 8-8 modules are used, the cable segments in a structured wiring system do not need to be laid out again. This reduces the expenses for alterations and the overall costs to a minimum. Depending on the connection module type, up to 12 incoming and 12 outgoing 8-wire cables can be permanently connected together without any significant reduction in the transmission characteristics or limitation of the maximum link lengths.

Performance Characteristics

- connection via LSA Plus terminals on a common PCB
- colour coding acc. to EIA/TIA 568A and B
- connection of 4-pair shielded/unshielded installation and patch cords from AWG 27-22

- pairs can be brought directly up to the terminal without untwisting the pairs
- secure shielded contact using screw-on terminals directly on the PCB
- variable cable feeds
- cable strain relief using commercially available cable ties (VM 8-8 Cat.7_A)
- tool-free installation of shielding cover made of stainless steel (19" and wall mount version)
- surface mount (AP) type: incoming and outgoing cables in the same direction
- surface mount, 19", and basic (for loose connection) version: incoming and outgoing cables offset by 180 degrees
- bonding connection option directly on the PCB (M4 screw)
- EMC compatible in accordance with DIN EN 61000-6-1 and 61000-6-2

Mechanical Characteristics	
Material: housing	ABS non halogen, UL94 V0 black
Material: shield	EMC plating aluminium
Material: PCB	FR4
Material: PCB finish	Cu 35/35 zinc-plated
Material: cable ties	PA 6.6 UL94 V2
LSA Plus: Cu conductor diameter	0,41 - 0,64 mm AWG 26/1 - AWG 22/1
LSA Plus: Wire diameter	0,7 - 1,6 mm

Climatic Characteristics	
Temperature range [°C]	-40 °C to +70 °C

Electrical Characteristics	
Voltage proof: contact-contact	≥ 1000 DC
Voltage proof: contact-shield	≥ 1500 DC
Current carrying capacity at 50°C	1 A

Transmission Characteristics	
Next: at 100 MHz	75.0 dB min.
Next: at 250 MHz	68.3 dB min.
Next: at 600 MHz	60.7 dB min.
Next: at 1 GHz	57.8 dB
Return loss: default values at 100 MHz	28 dB min.
Return loss: default values at 250 MHz	20 dB min.

Return loss: default values at 600 MHz	12.4 dB min.
Return loss at 1 GHz	10 dB
Insertion loss: default values at 100 MHz	0.2 dB max.
Insertion loss: default values at 250 MHz	0.32 dB max.
Insertion loss: default values at 600 MHz	0.49 dB max.
Insertion loss at 1 GHz	0.63 dB
Contact resistance: default values	200 mΩ max.
Next: typical values at 100 MHz	82.3 dB
Next: typical values at 250 MHz	77.1 dB
Next: typical values at 600 MHz	67.1 dB
Next: typ. value at 1 GHz	58.9 dB
Return loss: typical values at 100 MHz	28.9 dB
Return loss: typical values at 250 MHz	26.5 dB
Return loss: typical values at 600 MHz	17.9 dB
Return loss typ. values at 1 GHz	15.6 dB
Insertion loss: typical values at 100 MHz	0.05 dB
Insertion loss: typical values at 250 MHz	0.1 dB
Insertion loss: typical values at 600 MHz	0.3 dB
Insertion loss typ. value at 1 GHz	0.43 dB
Return loss: typical values	< 10 mΩ
Cat.7 _A	Kategorie 7 _A acc. to ISO/IEC 11801; EN 50173-1