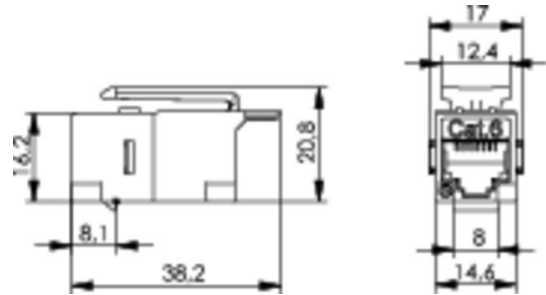
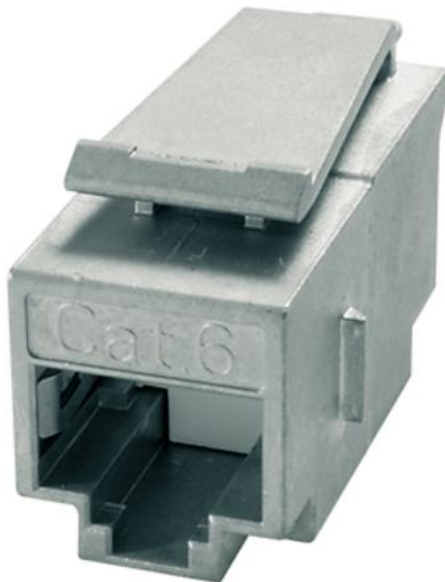


order number: J00029A0061

AMJ Coupler K Cat.6, f-f



Technical Attributes	
Short name	AMJ Coupler K Cat.6, f-f
Description	suitable for Class E _A Channel, 10 Gigabit Ethernet
Remarks	suitable for RJ45/11/12 plugs
Mount. dim.	Z121

Mechanical Characteristics	
Insertion force	≤ 30 N
Life (mating cycles RJ45, RJ12, RJ11)	≥ 750
Material: housing	zinc diecast
Material: insulating housing	ABS alpine white
Material: snap-fit	zinc diecast
Material: shield	German silver
Material: insulators	PA
	FR4

Material: PCB	
Material: PCB finish	chem. tin-plated
Material: contact spring	spring steel
Material: contact spring finish	min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni
Material: contact IDC termination	
Material: IDC termination finish	
Cu-Conductor diameter: solid	
Cu-Conductor diameter: stranded	
Insulation diameter	
Reusable IDC für AWG 23/1 - AWG 26/1	
Reusable IDV for AWG 24/7 - 27/7	
Cable diameter	-

Electrical Characteristics	
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Voltage proof: contact-contact	≥ 1000 V, DC
Voltage proof: contact-shield	≥ 1500 V, DC
Current carrying capacity at 50°C	1 A
PoE+ acc to IEEE 802.3at	PoE+

Standards	
Connectors	IEC 60603-7-5 / -7-3

Transmission Characteristics	
Category 6 _A (Component)	-
Class E _A (Permanent Link)	-
Class E _A (Channel)	ISO/IEC 11801, DIN EN 50173-1
Class E (Channel with Coupler Cat.6)	ISO/IEC 11801, DIN EN 50173-1
Class D (Channel with Coupler Cat.5e)	ISO/IEC 11801, DIN EN 50173-1
Gigabit Ethernet acc. to IEEE 802.3	fulfilled by Cat.5e, Cat.6

10 Gigabit Ethernet acc. to IEEE 802.3an	fulfilled by Cat.6
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