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**Telegärtner**

KARL GÄRTNER GMBH

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PRECISION TURNED PARTS

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INDUSTRIAL ELECTRONICS

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No stale beer

**Make it real Cat.6**

**AMJ Module Cat.6+**

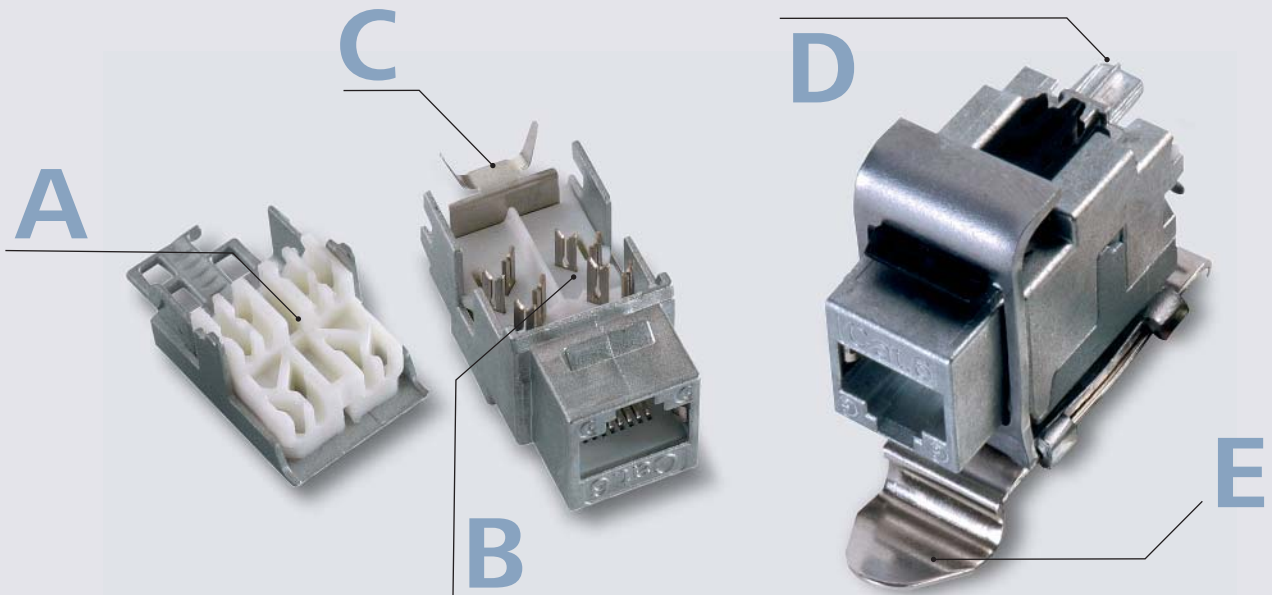
The Telegärtner Modular System

## AMJ Module Cat.6+

Telegärtner has developed a fully-shielded AMJ module Cat.6+ with outstanding transmission characteristics. Manufacturing the Cat.6 core and the IDC termination on a fully-automated production line guarantees an excellent price/performance ratio combined with quality inspections on the line which set new standards. With its 19.3 x 14.7 mm dimensions, the module fits in many applications employing the universally available mounting

cut-outs 19.3 x 14.7 mm dimensions of faceplates and 19" patch panel solutions. Telegärtner's newly developed IDC termination dependably accepts contacts ranging from AWG22/1 up to a minimum diameter of AWG27/7 for flexible cables. The AMJ module Cat.6+ thus also recommends itself for the connection of AWG24/7, AWG26/7, AWG27/7 patch cables to the IDC termination in order to create a consolidation point.

## Performance Characteristics



### Category 6

according to TIA/EIA 568 B2.1, ISO/IEC 11801 2<sup>nd</sup> edition, EN 60603-7-5

### De-Embedded Cat.6 Tested

according to TIA/EIA 568 B2.1 resp. EN 60603-7-5

### Link Reserves

12 dB typ. Permanent Link Class E

### 10 Gigabit Ethernet Compliant

10 Gigabit-Ethernet according to IEEE802.3an draft

### Universal Installation Dimension

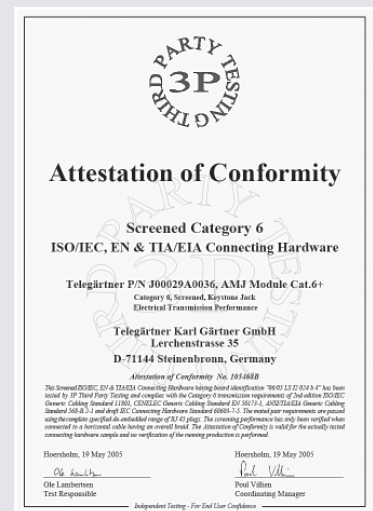
universally available installation dimension for mounting cut-outs: 19.3 x 14.7 mm

### Real Cat.6 RJ45 Jack/Core

fully-automated production of Cat.6 RJ45 jack/core to guarantee a uniformly high quality standard (transmission characteristic values) mating face: EN 60603-7-5

### Made in Germany

laser-monitored inspection of the RJ45 contact heights



### Technical Data

Installation dimensions: 19.3 x 14.7 mm

Copper conductor diameter :

Solid: 0.40-0.65 mm / AWG26/1-22/1

Stranded: 0.46-0.61 mm / AWG27/7-24/7

Life (operations): min. 750

Shielding housing: zinc die-cast

# Benefits

A

## Cat.6 Wire Management

- guided wire-sorting technology ensures proper installation for high Class E NEXT reserves in the permanent link
- Telegärtner wire management prevents crossed pairs
- installation-friendly connection technology requiring no special tools



B

## New IDC Termination

- new IDC termination for cables with AWG26/1-22/1 solid conductors and for AWG24/7, AWG26/7, AWG27/7 with stranded conductors
- a large bandwidth of copper conductor diameters is covered by the new IDC termination



C

## Shielding

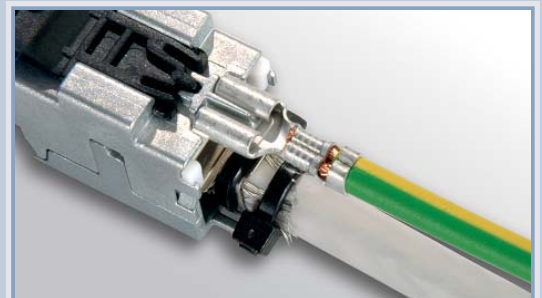
- separate cable strain relief and shield contacting: this permits smaller bend radii for the installation cable without any resultant negative effects on the shield contacting
- solid shielding housing made of zinc die-cast



D

## Quick Grounding

- quick grounding: AMJ modules can be directly connected to pre-assembled grounding cables at the panel connector (DIN 46342-1; 6,3 mm), e. g. in steel cable ducts




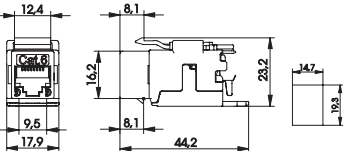

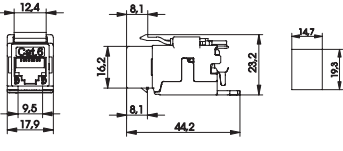

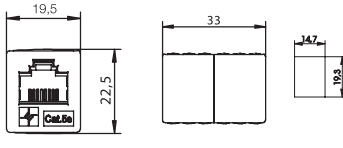
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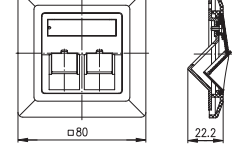

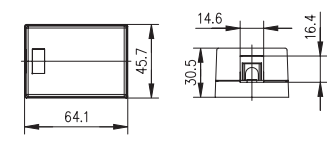

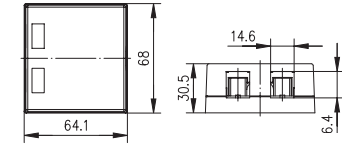

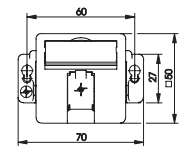

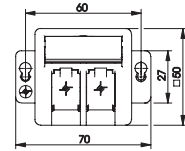

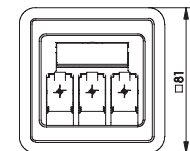

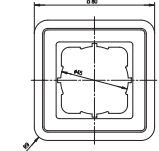

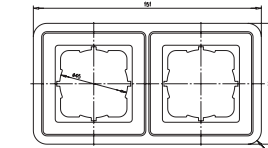
## Flexible Application

- can be used to create consolidation point connections
- the AMJ modules/couplers can be installed vertically or horizontally in cable ducts with the aid of the top-hat rail adaptors (which can be rotated in 90° increments)




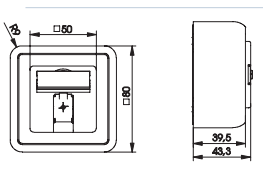

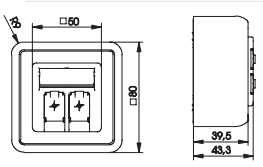

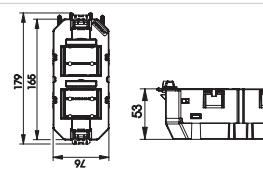

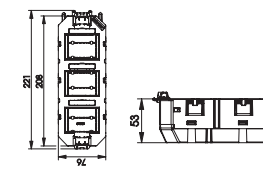

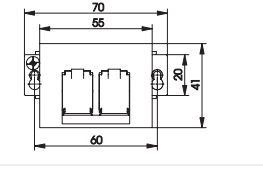

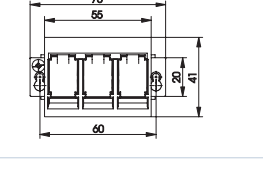

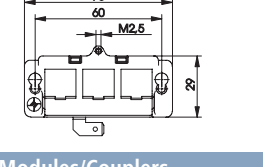

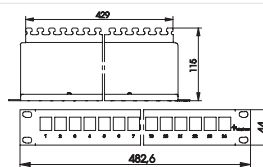

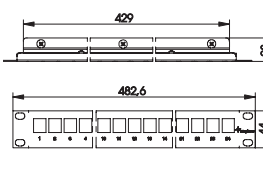

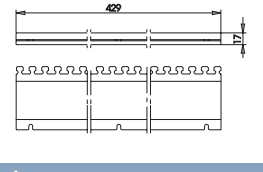

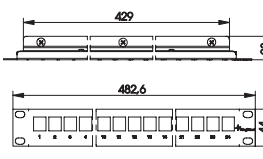
## Order Information

Modules / Adaptors		Order no.	Description	PU*	Colour
		J00029A0036	AMJ module Cat.6+	2	
		J00029A0061	AMJ coupler Cat.6+, f-f	4	
		J00029A0051	AMJ coupler Cat.5e, f-f	4	
		J00029A0062	AMJ coupler Cat.6+, insulated, f-f	4	alpinewhite
		J00029A0052	AMJ coupler Cat.5e, insulated, f-f	4	alpinewhite

Cable Duct Mounting / Surface Mounting		Order no.	Description	PU*	Colour
		H02010A0040	Double gang faceplate 80x80, 2x UP/50 BR**, w/o modules, with integrated metal module carrier and shutters, w/o frame also applicable for UP/50 duct installations mating direction 45 degree	5	alpinewhite
		H02000A0064	Single gang surface mounting box 46x64, 1x AP compact, w/o modules	5	alpinewhite
		H02000A0065	Double gang surface mounting box 68x64, 2x AP compact, w/o modules	5	alpinewhite
		H02010A0049	Single gang faceplate 50x50 design, 1x UP/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	alpinewhite
		H02010A0050	Single gang faceplate 50x50 design, 1x UP/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02010A0051	Double gang faceplate 50x50 design, 2x Up/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	alpinewhite
		H02010A0052	Double gang faceplate 50x50 design, 2x Up/50 BR**/underfloor, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02010A0053	Triple gang faceplate 80x80 design, 3x BR**, w/o modules, MC*** mating direction 45 degree	5	alpinewhite
		H02010A0054	Triple gang faceplate 80x80 design, 3x BR**, w/o modules, MC*** mating direction 45 degree	5	pearlwhite RAL 1013
		B00004A0021Y	Single 80x80 frame design	5	alpinewhite
		B00004A0019Y	Single 80x80 frame design	5	pearlwhite RAL 1013
		B00005A0009Y	Double 80x151 frame design	5	alpinewhite
		B00005A0007Y	Double 80x151 frame design	5	pearlwhite RAL 1013


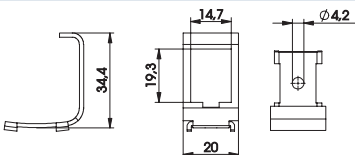



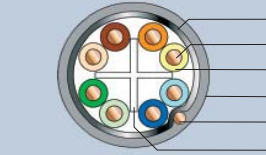
\*PU=Packaging Unit \*\*BR=Cable Duct Mounting \*\*\*MC=Integrated metal module carrier and shutters



Cable Duct Mounting / Surface Mounting		Order no.	Description	PU*	Colour
		H02000A0060	Single gang surface mounting box 80x80 design AP, w/o modules, IM*** mating direction 45 degree	5	alpinewhite
		H02000A0061	Single gang surface mounting box 80x80 design AP, w/o modules, IM*** mating direction 45 degree	5	pearlwhite RAL 1013
		H02000A0062	Double gang surface mounting box 80x80 design AP, w/o modules, IM*** mating direction 45 degree	5	alpinewhite
		H02000A0063	Double gang surface mounting box 80x80 design AP, w/o modules, IM*** mating direction 45 degree	5	pearlwhite RAL 1013
Subfloor		Order no.	Description	PU*	Colour
		H02041A0018	Subfloor mounting box GB2 complete	1	black
		H02041A0019	Subfloor mounting box GB3 complete	1	black
		H02041A0016	Double gang faceplate 55x41 for GB2/GB3, halogenfree, w/o modules, incl. transparent label field, shutter and metal module carrier, mating direction 45 degree	1	light grey RAL 7035
		H02041A0017	Triple gang faceplate 55x41 for GB2/GB3, halogenfree, w/o modules, incl. transparent label field shutter and metal module carrier, mating direction 45 degree	1	light grey RAL 7035
		B10014A0017	Triple gang module carrier for underfloor applications w/o faceplate, fixation track 60mm with screws (not for H02041A0018 and H02041A0019)	5	
19" Module Carrier without Modules/Couplers		Order no.	Description	PU*	Colour
		H02025A0167	19" frontplate 1 HU with cable relief for 24 AMJ modules/coupler, incl. grounding set 0,3 m	1	light grey RAL 7035
		H02025A0197	19" frontplate 1 HU w/o cable relief for 24 AMJ modules/coupler	1	light grey RAL 7035
		H02025A0198	Cable relief set for H02025A0197, J02023A0026, J02023A0025	1	light grey RAL 7035
19" Module Carrier with Couplers		Order no.	Description	PU*	Colour
		J02023A0026	19" frontplate 1 HU, incl. 24x AMJ coupler Cat.6+ w/o cable relief, incl. grounding set 0,3 m	1	light grey RAL 7035
		J02023A0025	19" frontplate 1 HU, incl. 24x AMJ coupler Cat.5e w/o cable relief, incl. grounding set 0,3 m	1	light grey RAL 7035

Further Order Information on the reverse side

## Order Information

Top-Hat Rail Adaptor	Order no.	Description	PU*	Colour
 	H06000A0045	Top-hat rail adaptor IP20 for AMJ modules Cat.6+ and coupler Cat.5e/Cat.6+	1	
Accessories	Order no.	Description	PU*	Colour
	N00000A0013	Plier wrench 1 3/8", auxiliary tool for the assembly of AMJ modules	1	
	L00040A0009	Grounding set 0,3 m for H02025A0197	1	
	H02010B0013	Universal mounting box for AMJ modules/coupler (up to 3 modules) and cable ducts with the height 47, 50, 52 and 55 mm, for DIN-, C- and Combi-rail	5	white
Installation Cable	Order no.	Description	PU*	Colour
	L02002A0059	Installation cable F/UTP Cat.6 AWG23/1, PVC IEC 60332-1, put-up = 1.000 ft. (305 m), wooden one-way drum	1	light grey RAL 7035

\*PU=Packaging Unit

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