T482D1XB Category 6_A STP 180° Keystone Jack

OVERVIEW

Zemecs T482D1XB series Category 6_A STP keystone jacks exceed ANSI/TIA 568.2-D, EN 50173, ISO/IEC 11801, IEC 60603-7-51, IEC 60512-99-001 requirements for 10 Gigabit structured cabling systems up to 500Mhz. . The solderless IDC contact surface guarantees stable signal quality at all frequencies.

The products fit into Zemecs blank patch panels and faceplates* and can be terminated without a tool. Having been verified by third parties on connecting hardware and channel levels, T482D1XB series keystone jacks are included into Zemecs' 25 year system performance warranty programme.

FEATURES

- Exceeds requirements of ANSI/TIA/EIA-568.2-D, EN 50173, ISO/IEC 11801, IEC 60603-7 and IEC 60512-99 cabling standards for channels, links and components
- Supports PoE and PoE+ applications
- Error free performance up to 500 Mhz. at 10 Gigabit Ethernet
- TIA 568 A/B Wiring
- Certificated by Intertek(ETL)

APPLICATIONS

- 10G Base-T 10 Gigabit Ethernet
- 1000 Base-T Gigabit Ethernet
- 100 Base-TX Fast Ethernet
- 10 Base-T Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- ISDN
- 4/16 Mbps Token Ring
- 100 Mbps TP-PMD
- Broadband and baseband video

MATERIAL AND PHYSICAL SPECIFICATIONS

Housing Material	Anti Corrosion Nickel Plated Zinc Alloy
Rear Housing Material	Anti Corrosion Nickel Plated Zinc Alloy
Bracket Material	Anti Corrosion Nickel-Silver Zinc Alloy
Plug Contact Surface	50µ" Gold Plate Over 100µ" Nickel
IDC Terminal	100µ" Tinned Phosphorous Bronze Over Nickel Undercoat
PCB	FR4, 1,6mm. Thickness
Contact Holder / Jack Latch	PC,UL94V-0 / PC+ABS,UL94V-0.
IDC Contact Angle	180°
Colour	Metallic
Dust Protection Cover	Optional

T482D1XB Category 6_A STP 180° Keystone Jack

COMPLIANCE

Standards For Generic Cabling And Cabling Components - Category 6_A Plug Requirements
• ISO/IEC 11801-1:2017 (V.1.0)
• ISO/IEC 11801-2:2017 (V.1.0)
• EN 50173-1:2018, EN 50173-2:2018
• IEC 60603-7-51: 2010
• IEC 60512-99-002:2019
• ANSI/TIA-568.2-D:2018
Standards For The Restriction Of Use Of Hazardous Substances In Electrical And Electronic Equipments
• 2011/65/EU (RoHS-2)
Certification
• Certificated by Intertek(ETL)

TRANSMISSION PERFORMANCE

FREQUENCY (Mhz.)	ZAYIFLAMA (dB., max.)	RETURN LOSS (dB., min.)	NEXT (dB., min.)	PSNEXT (dB., min.)	TCTL (dB., min.)
1	1,8	45,0	77,0	70,0	45,0
4	3,2	45,0	77,0	68,0	45,0
8	4,6	45,0	77,0	62,8	45,0
10	5,0	45,0	77,0	61,1	45,0
16	6,4	45,0	72,0	57,8	45,0
20	7,1	45,0	71,0	56,1	45,0
25	8,0	43,0	68,5	54,7	44,0
31,25	9,0	42,5	66,2	53,1	42,5
62,5	12,8	39,0	60,0	48,0	36,0
100	16,4	36,8	56,2	44,5	31,0
200	23,6	28,2	50,8	39,9	24,5
250	26,6	24,0	47,9	38,6	22,0
500	39,0	14,8	34,9	27,9	17,0

Typical performance for TIA Channel is given. Actual performance may vary depending on installation and environmental conditions.

ENVIRONMENTAL SPECIFICATIONS

Transportation & Storage Temperature	-40 / +70	ºC
Installation Temperature	-20 / +60	ºC
Operation Temperature	-10 / +60	ºC
Relative Humidity	10 - 93, Non-condensing	%

MECHANICAL SPECIFICATIONS

Compatible Plug Type	8P8C	RJ-45
Insertion Life	750	Cycles (IEC-60603-7)
Durability(Termination Cycles)	200	Cycles, Max.
Plug-Jack Contact Force	100	g., Max. (FCC Compatible RJ-45 Plug)
Plug-Jack Coupling Force	8	N., Max. (all wires)
Contact Compatibility	22-26 AWG	Solid or stranded
Suitable Termination Tool	Toolless	

ELECTRICAL SPECIFICATIONS

Insulation Resistance (@500 VDC)	500	MΩ, Min.
DC Resistance (@20 ºC)	0,1	Ω, Max.
Contact Resistance	20	mΩ, Max.
Termination Resistance	2,5	mΩ, Max.
Current Rating	2	A, Max.
Dielectric Strength (@60 Hz. / 1min.)	1.000	VAC Rms
Propagation Delay Skew	1,25	ns., Max.
Coupling Attenuation	60	dB., Max.

PART NUMBER CODING

Part Nr.	Product Description
T482D13B	Zemecs Category 6_A STP 180° Keystone Jack, w/Shutter
T482D12B	Zemecs Category 6_A STP 180° Keystone Jack

Zemecs is a TURERA brand.