







NTE8FDFS-6A-TOP

Rugged CAT6A receptacle with TRUE OUTDOOR PROTECTION

The etherCON® TRUE1 receptacle transfers the TRUE1 DATA platform to professional Ethernet interfaces. It has been developed for modern network-based AV devices and installations where high data rate, PoE power, shielding and genuine outdoor capability are required in one compact receptacle solution.

With CAT6A performance up to 10 Gbit/s, PoE++ up to 100 W and IPx5 / IPx6 / IPx7 protection, etherCON® TRUE1 offers a powerful and rugged receptacle for demanding applications. The D-shape design, replaceable sealing cap and platform concept simplify integration into existing device and panel concepts.

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Features & Benefits

- CAT6A receptacle for professional Ethernet and AV networks
- 10 Gbit/s
- TRUE OUTDOOR PROTECTION with IP65 / IP66 / IP67
- Airtightness in unmated condition with closed sealing cap
- 1440 h salt spray resistance
- UV-resistant materials
- Replaceable sealing cap
- D-shape integration
- Platform design with consistent TRUE1 styling

Technical Information

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Product	
Title	NTE8FDFS-6A-TOP
Product family	etherCON®
Connection type	RJ45
Gender	female

Electrical	
Data rate	10 Gbit/s
Component performance, ISO/IEC 11801-1	CAT6A
Component performance, ANSI/TIA-568.2-D	CAT6A
Channel performance, ISO/IEC 11801-1	Class Ea
Channel performance, ANSI/TIA-568.2-D	CAT6A
Power over Ethernet	100 W, PoE type 4 class 8 gemäß IEEE 802.3bt
Frequency range	1-500 MHz
Contact resistance	< 20 mΩ
Dielectric strength	1 kV DC
Insulation resistance	> 0,5 GΩ
Rated voltage	≤ 57 V

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Mechanical	
Installation direction	Front mounting
Lock retention force	> 250 N
Lifetime	< 1000 mating cycles
Airtightness, unmated, open sealing cap	yes
Insertion force	< 50 N
Withdrawal force	< 50 N
Tightening torque	0,4 Nm – 0,6 Nm

Material	
Contact coating	Gold
Contacts	Brass
Flange	EPDM
Insert	Zinc diecast (ZnAl4Cu1)
Housing coating	nickel
Housing	PA66
Sealing cap	EPDM

Environmental	
Flammability	V0
V0	F1
Operating temperature	-30 to +80 °C
REACH	compliant
RoHS	compliant
Protection class	IPx5 / IPx6 / IPx7

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