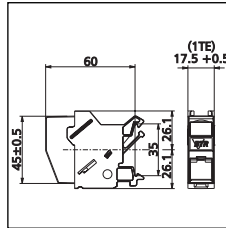


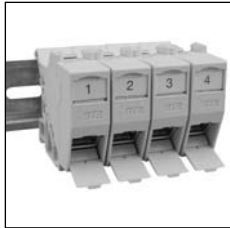
- termination unit with 1 x E-DAT modul Cat.6 8(8)
- type of protection IP20
- for mounting to TH35 rail per DIN EN60715
- width 1 U (> 18 mm) (DIN 43880), allows to mount up to 12 modules into a standard electrical distributor
- integrated potential balance spring (removable)
- dust protection cover allows colour coding
- label window for port identification
- colour: light grey (RAL 7035)
- protection class I or II, depends on installation
- when mounted as a device of protection class I the potential balance is provided by the integrated potential balance spring directly above the rail; for this purpose connect the rail by appropriated connectivity clamps to the potential balance of the building.
- the E-DAT modul is protected against direct touch by a housing. When mounted into safety isolated distributors, they still comply with protection class II. In this case it is necessary to remove the potential balance spring.

**E-DAT modul REG 8(8) IP20**

Version	P/N
E-DAT modul REG 8(8) IP20	1309426003-E
E-DAT modul REG 8(8) IP20 empty	1309426103-E

Note

packing unit	1 pc	
weight	assembled 43 g	empty 8 g

**Accessories**

The following accessories are described on pages 22 and 23:

- label sheet
- coloured dust protection covers



E-DAT modul 8(8) Cat.6 Module

- refined die-cast zinc metal housing
- installation friendly termination of the 2 to 4 pair data lines to BTR ID connectors (AWG 22 - 24), wire colour identification per TIA/EIA 568A
- pin/pair assignments per ISO/IEC 11801/EN 50173-1, untwisting of the wire pairs up to the terminal block is not necessary
- strain relief by cable ties at the E-DAT modul
- captive connectivity spring for cable shield
- Cat.6/Class E Link Performance per ISO/IEC11801:9/2002 and EN50173-1:2002
- EMI proof per EN 55022-B, EN 50082-1

Compatible to the following E-DAT modul Applications

- E-DAT industryIP67 EBM Mounting Flange for E-DAT modul, without mounting kit / with mounting kit
- E-DAT modul 8(8), 8/8(8) AP wall outlets (surface mount)
- E-DAT modul 8(8), 8/8(8), 3x8(8) UP wall outlets (flush mount)
- E-DAT modul 8(8), 8/8(8), 3x8(8) UPk wall outlets (flush mount)
- E-DAT modul 8(8), 8/8(8) UP0 wall outlets (flush mount)

Note

- UAE modules fit in our well-tried E-DAT modul applications such as E-DAT modul patch panels, E-DAT modul wall outlets, E-DAT subway System, E-DAT modul REG, E-DAT industryIP67 (surface mount wall outlet, cable coupler, mounting flange) and E-DAT modul IP44 wall outlet.

Accessories

The following accessories are described on **page 10**:

- E-DAT modul sixfold module frame

E-DAT modul Cat.6 8(8)



Version	P/N
E-DAT modul Cat.6 8(8)	130910-I

Note

packing unit 10 pcs
weight 350 g

E-DAT modul Coupler 8(8) 90° C6



Version	P/N
E-DAT modul Coupler 8(8) 90° C6	1309A1-I

Note

packing unit 10 pcs
weight 300 g

- Class E / Cat.6 Link
- fully shielded 90 degree coupler with metal housing
- for data transmission rates up to 1000 MBit/s
- two mounting types in one coupler, fits in E-DAT modul and keystone applications
- very compact design
- for connections in a 90 degree angle
- especially suited to be mounted to E-DAT industryIP67 mounting flange and E-DAT modul wall outlets in cable conduits
- 90 degree angle of outgoing cable provides small installation depth

UAE modul Cat.5 8(8) UAE modul Cat.6 8(8)



Version	P/N
UAE modul Cat.5 8(8)	130908-I
UAE modul Cat.6 8(8)	130909-I

Note

packing unit 10 pcs
weight 94 g

UAE Modules

- unshielded Cat.5 and Cat.6 modules
- installation friendly termination of the 2 to 4 pair data lines to BTR ID connectors (AWG 22 - 24), wire colour identification per TIA/EIA 568A
- pin/pair assignments per ISO/IEC 11801/EN 50173-1, untwisting of the wire pairs up to the terminal block is not necessary
- strain relief by cable ties at the UAE module



Note for User and Installer

Our termination systems and patch products for generic cabling meet the active standards EN 50173-1:2002 and IEC 60603-7.

The user or installer has to check and take care to use solely patch and termination cables that meet the EN/IEC standards when completing the installation. If necessary ask your supplier to certify that the installed cables and plugs meet the standards.

The use of non-standard components means the loss of rights accruing from defects even within the supply chain of our products. Furthermore, please pay attention that the electric contact area of the plug connection is not exposed to high mechanical effects or strain (e.g. by pulling the cable etc.) when the user cable is plugged in or out upwards, downwards or sideways. We do not take over liability for any damage. Please give this note to end users, too.



Technical Data	E-DAT modul Features	
Version / Type		
AP	surface mount	●
	consisting of UP version with surface mount frame 81 x 81 x 35 mm	●version-8(8) ●version-8/8(8)
	screw fixing	●
AP IP44	surface mount protection type IP44	●
AP IP67	surface mount protection type IP67	●
UP	flush mount	●
	central unit and cover plate per DIN 49075 part 1:1989 with cutout 47x47	
	DIN 49075 part 2:1989	●
	with metal support	●
	with cover plate 80 x 80 mm	●
UPk	central unit 50 x 50 mm for cover plates per DIN 49075 part 1:1989	
	(without cover plate) for cutout >47 x 47 per DIN 49075 part 2:1989	●
	with metal support	●
	claw and screw fastening	●
UPO	same as UPk, but without central unit	●version 8(8) ●version 8/8(8)
	compatible central unit of switch manufacturer	*1 ●version 8(8) ●version 8/8(8)
REG	DIN rail mounting type of protection IP20	●
Cable Coupler	plug connection IP67	●
subway	for subway system (by Ackerman, Niedax, OBO Bettermann (new))	*1 ●

*1: detailed reference list is available on request or on our website www.btr-itconnect.com

Technical Data	E-DAT modul Features	
Mechanical Data		
insertion force	< 20 N	●
life cycle (contacts) RJ45 jack	>750 insertion cycles, with RJ plugs per IEC 60603-7	●
	>2500 insertion cycles with Stewart RJ plugs	
dimensions of the RJ45 jack	comply to IEC 60603-7	●
Wire Termination		
ID connector	wire 0.4 to 0.65 mm AWG 26 - 22 isolation 0.7 to 1.4 mm (1.6 mm)	BTR-IDC *1 *2
shield connection	flexible contact clamp	●
ground connection Patch panel	M6 post for 4 to 16 mm ²	●
ground connection wall outlets	1.5 to 4 mm ²	●

Materials		
contact spring	CuSn	●
contact surface	Ni 2 μm + Au 0.75 μm	Ni + Au
shield housing	GD-Zn (die-cast zinc)	●
cover parts	ABS, high impact	●
patch panel module frame	Al (extruded aluminium steel (zinc coated))	●
Materials for E-DAT industry IP67 / Cable Coupler / Mounting Flange		
housing	PA 6.6 UL94 V0	●
cable fitting	PA 6	●
sealing ring	CR	●
O-ring	NBR 70	●

*1: AWG 26/7 stranded wire bare stranded copper wire with 7 strands
 *2: reusable for AWG 22, AWG 23 and AWG 24 when using a wire with the same or bigger cross section



Technical Data	E-DAT modul Features	
Thermal and Climatic Data		
climatic category of RJ45 per IEC 60603-7	40/70/21 testing per IEC 512 no. (11a, 11i, 11j, 11m)	●

Electrical Data		
nominal current at 50° C	max. A	1
nominal voltage	max. V DC	50
dielectric strength per IEC 60603-7	max. V DC	1000
contact resistance	m Ohm	<20
transfer impedance terminal / jack	m Ohm	<200
isolation resistance	M Ohm	>500
transmission parameters	per ISO/IEC 11801: 9/2002 and EN50173-1:2002	Class E
see test reports		●
transfer impedance/ shield attenuation	per ISO/IEC 11801: 9/2002 and EN50173-1:2002	Class E
ACR (all combinations)	in db at 100 MHz	>30
ACR (all combinations)	in db at 250 MHz	>10
interference proof	EN 50082-2	●
interference emission	EN 50081-2	●
transmission features	DIN EN 60603-7-5	●

The E-DAT modul termination system was tested with different installation cables to meet the requirements per ISO/IEC 11801-1:2000, EN50173-1:2002

A detailed list, test reports and certificates are available on request or on our website www.btr-itconnect.com.

Technical Data	E-DAT modul Features	
General Features		
allover closed metal housing		●
individually shielded RJ45 jacks		●
complete shielding of all cable and plug connections		●
meet requirements per EN 55022, EN 50082TI EMV rules		●
time saving mounting, no special tool required		●
shield connectivity separated from strain relief		●
large sized 360 degree shield connection		●

Especially suited for the following services	Mbit/s	
analogue telephone (PBX)		●
X.21		●
V.11		●
ISDN S ₀ , UP ₀ , S1, S2	0.144 / 2	●
Ethernet 10BaseT	10	●
Fast Ethernet 100BaseT4	100	●
Fast Ethernet 100BaseTx	100	●
Token Ring 4	4	●
Token Ring 16	16	●
Token Ring 100	100	●
TPPMD (FDDI,SDDI,CDDI)	100	●
ATM (B-ISDN) 155	155	●
ATM 622	622 Mbit/s (CAP 64 coding)	●
Gigabit Ethernet 1000 Base T	1000	●
Multimedia		●
10GigaBaseT *1	10000	●

*1: (based on twisted pair Class D new, standardization project of the IEEE 802.3)