



DEHN + SÖHNE

BLITZDUCTOR® XT with LifeCheck®.



- Maximum discharge capacity for 2-, 3- or 4-pole interfaces at minimum space requirements
- 2-pole SPD modules with optionally direct or indirect shield earthing
- Integrated LifeCheck 3-stage control of all protective circuit components with early warning function
- Easy testing / controlling of the SPD modules by reading out with portable DRC LC testing device or stationary condition monitoring unit without contacting
- Vibration- and shock-proof design for safe operation
- Allows for universal use due to base part and different SPD modules



Pluggable multi-pole universal lightning current/surge arrester for use in IT systems. The SPD modules with integrated LifeCheck allow for quick testing of SPDs without contacting by means of a portable reading device or stationary condition monitoring system. SPD module and base part have to be ordered separately.

BLITZDUCTOR XT is a universal pluggable multi-pole lightning current/surge arrester to be mounted onto DIN rails in measuring and control circuits, bus systems, alarm systems and telecommunication systems, which are subject to maximum availability requirements.

If lightning current arrester type BXT ML4 B 180 establishes the equipotential bonding, a Yellow/Line surge arrester may be installed downstream as a further protective stage for limiting the currents to values bearable for the terminal equipment. The combined lightning current and surge arresters of the BLITZDUCTOR XT series combine the permanently high impulse discharge capacity of a lightning current arrester with the extremely low protection level of a surge arrester for effective protection of terminal equipment against the influences of lightning and surges caused by switching operations.

LifeCheck allows for quick and easy testing of SPDs without removing the module. Being integrated into the SPD modules, LifeCheck permanently

controls the operating state of the SPD. Just like an early warning system, LifeCheck detects upcoming electrical or thermal overloads on the protection components. The LifeCheck operating state can be read out in a second without contacting by means of portable DEHNrecord LC and shows also when the SPD module was tested last time. The stationary condition monitoring unit supports the operating-state-orientated maintenance of up to 10 BXT devices.

To ensure safe operation, the SPD can withstand vibration and shock loads up to 30x acceleration of gravity. The function-optimised design of the device ensures both quick and easy exchanging of SPD modules where all relevant protection elements are situated.

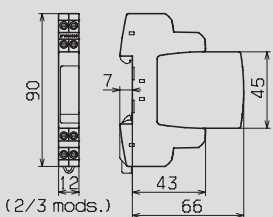
A wide range of accessories makes BLITZDUCTOR XT especially user-friendly. Elements for easy labelling, earthing of unused lines or easy testing of lines complete the program.



BLITZDUCTOR XT installed completely. Two-part design with universal base part and application-specific SPD module. Especially space-saving design, for DIN rail mounting.



Universal base part for all SPD modules. Optimises storage and favors prewiring and service. No signal interruption when exchanging the modules.



Dimension drawing of BLITZDUCTOR XT base part with plugged-in SPD module. Width: 2/3 mods. (12 mm), suitable for DIN rail mounting in distribution boards.

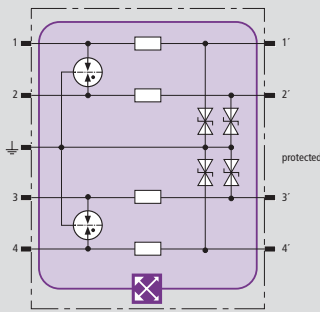


BXT ML4 B ...:

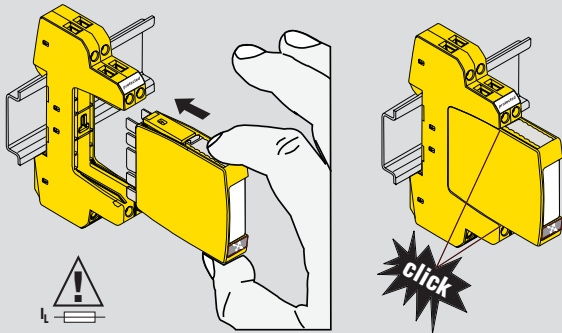
SPD modules for 4 single lines or 2 pairs with LifeCheck for high partial lightning currents.

BXT ML2 B:

SPD modules for 2 single lines or 1 pair with LifeCheck for high partial lightning currents. Type BXT ML2 ... S additionally provides connections for direct or indirect shield earthing.



If an SPD protective circuit is controlled by LifeCheck, this is shown graphically in the basic circuit diagram. For BXT, the complete protective circuit is controlled.

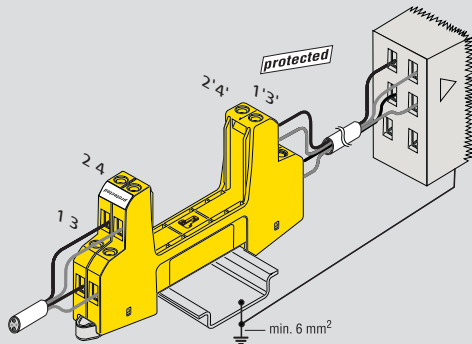
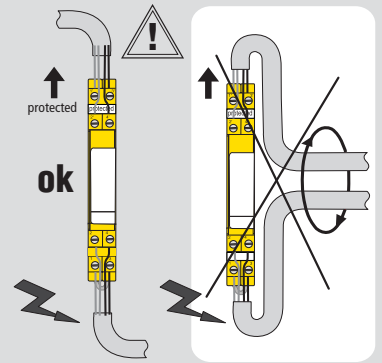


The function-optimised design of the device allows for both "safe plugging" and "easy removing" of an SPD module. The module is secured in the base part by snapping in. When pressing the grey buttons, the module can be removed again without problem. This is provided by the laminated spring contacts and pressing the module releasing spring.



Testing an SPD module with RFID technology (LifeCheck)

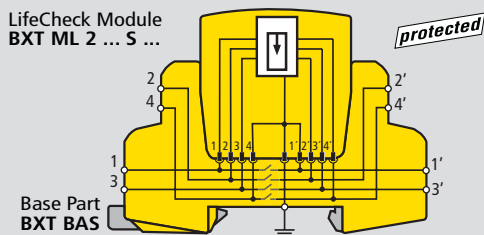
The protected lines have always to be assigned to clamps 1' to 4' (protected) of the base part. In order not to reduce the protective effect, protected and unprotected lines have to be installed separately.



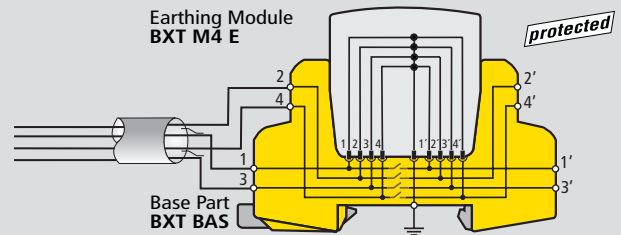
Up to 4 lines can be connected on 2 levels. In correspondence with DIN rail mounting, lines of a pair belonging to each other are connected one upon the other.



The clamps integrated into the base part can be used with many 2-pole modules for shield earthing. Especially for bus systems, the EMC spring terminal should be used for wide connection of line shields.



If a both-sided direct earthing of the line shield cannot be performed for technical reasons, one-sided indirect shield earthing may be of advantage. This can be performed by means of SPD modules type BXT ML2 ... S. Their terminal 3, 3' is connected to a gas discharge tube with lightning current carrying capability, which prevents compensating currents. Transient impulse currents on the shield are discharged via the indirect shield earthing.



In case of a stranded cable, unused lines should be laid and earthed. If the unused lines are connected to base parts, earthing modules type BXT M4 E should be used. These reserve space for retrofitting the SPD modules and the lines can be integrated efficiently into the lightning equipotential bonding.

BLITZDUCTOR® XT Base Part

BXT BAS

BLITZDUCTOR XT base part, for use as very space-saving universal feed-through terminal for supporting SPD modules without signal interruption. The SPD module is safely earthed by the supporting foot of the DIN rail by means of a snap-in fixing device. As no components of the protective circuit are situated in the base part, maintenance work is only required for the protection modules.



Type	BXT BAS	
Cross-sectional area, solid	0.08 - 4 mm ²	
Cross-sectional area, flexible	0.08 - 2.5 mm ²	
Enclosure material	polyamide PA 6.6	
Type	PU pc(s)	Part No.
BXT BAS	1	920 300



BLITZDUCTOR® XT LifeCheck® Modules

BXT ML4 B 180

Space-saving 4-pole lightning current arrester module with LifeCheck for nearly all types of applications. Generally used in connection with downstream surge arresters **TYPE 2/P1** or combined lightning current and surge arresters of a lower or equal voltage level.



Type	BXT ML4 B 180	
SPD Class	TYPE 1/P1	
Max. continuous d.c. voltage U _c	180 V	
Nominal current at 45° C I _n	1.2 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA	
Type	PU pc(s)	Part No.
BXT ML4 B 180	1	920 310



BXT ML4 BE 5 – BE 180

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 4 single lines with common reference potential as well as unbalanced interfaces.



Type BXT ML4 ...	BE 5	BE 12	BE 24	BE 36	BE 48	BE 60	BE 180
SPD Class	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P2
Max. continuous d.c. voltage U _c	6.0 V	15 V	33 V	45 V	54 V	70 V	180 V
Nominal current at 45° C I _n	1.0 A	0.75 A	0.75 A	1.8 A	0.75 A	1.0 A	1.0 A
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Type	PU pc(s)		Part No.				
BXT ML4 BE 5	1		920 320				
BXT ML4 BE 12	1		920 322				
BXT ML4 BE 24	1		920 324				
BXT ML4 BE 36	1		920 336				
BXT ML4 BE 48	1		920 325				
BXT ML4 BE 60	1		920 326				
BXT ML4 BE 180	1		920 327				



BXT ML4 BD 5 – BD 180

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 2 pairs at balanced interfaces with electrical isolation.



Type BXT ML4 ...	BD 5	BD 12	BD 24	BD 48	BD 60	BD 180
SPD Class	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P1	TYPE 1/P2
Max. continuous d.c. voltage U _c	6.0 V	15 V	33 V	54 V	70 V	180 V
Nominal current at 45° C I _n	1.0 A	1.0 A	1.0 A	1.0 A	1.0 A	0.75 A
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Type	PU pc(s)		Part No.			
BXT ML4 BD 5	1		920 340			
BXT ML4 BD 12	1		920 342			
BXT ML4 BD 24	1		920 344			
BXT ML4 BD 48	1		920 345			
BXT ML4 BD 60	1		920 346			
BXT ML4 BD 180	1		920 347			



BXT ML4 BC 5 / 24

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of max. 4 earth-potential-free single lines with common reference potential.

Type	BXT ML4 BC 5		BXT ML4 BC 24	
SPD Class	TYPE 1/P1		TYPE 1/P1	
Max. continuous d.c. voltage U _c	6.0 V		33 V	
Nominal current at 45° C I _n	1.0 A		0.75 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA		10 kA	
Type	PU pc(s)		Part No.	
BXT ML4 BC 5	1		920 350	
BXT ML4 BC 24	1		920 354	

BXT ML4 BE C 24

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 2 pairs at balanced interfaces with protective diode circuit at the input, current loops (TTY) and optocoupler inputs.

Type	BXT ML4 BE C 24	
SPD Class	TYPE 1/P1	
Max. continuous d.c. voltage U _c	33 V	
Nominal current at 45° C I _n	1.0 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA	
Type	PU pc(s)	Part No.
BXT ML4 BE C 24	1	920 364



BXT ML4 BE HF 5

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 4 single lines with common reference potential as well as high-frequency transmissions without electrical isolation.

Type	BXT ML4 BE HF 5	
SPD Class	TYPE 1/P1	
Max. continuous d.c. voltage U _c	6.0 V	
Nominal current at 45° C I _n	1.0 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA	
Type	PU pc(s)	Part No.
BXT ML4 BE HF 5	1	920 370



BXT ML4 BD HF 5 / 24

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 2 pairs in high-frequency bus systems or video transmissions.

Type	BXT ML4 BD HF 5		BXT ML4 BD HF 24	
SPD Class	TYPE 1/P1		TYPE 1/P1	
Max. continuous d.c. voltage U _c	6.0 V		33 V	
Nominal current at 45° C I _n	1.0 A		1.0 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	10 kA		10 kA	
Type	PU pc(s)		Part No.	
BXT ML4 BD HF 5	1		920 371	
BXT ML4 BD HF 24	1		920 375	



BXT ML4 MY 250

available from April 2008

Space-saving surge arrester module with LifeCheck for protection of 4 lines at stranded signal interfaces up to 250 V a.c.

Type	BXT ML4 MY 250	
SPD Class	TYPE 2/P3	
Max. continuous d.c. voltage U _c	320 V	
Nominal current I _n	3.0 A	
C2 Total nominal discharge current (8/20 µs) I _n	10 kA	
Type	PU pc(s)	Part No.
BXT ML4 MY 250	1	920 389



BXT ML2 BD 180

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 1 pair at balanced interfaces with electrical isolation.

Type	BXT ML2 BD 180	
SPD Class	TYPE 1/P2	
Max. continuous d.c. voltage U _c	180 V	
Nominal current at 45° C I _n	0.75 A	
D1 Total lightning impulse current (10/350 µs) I _{imp}	5 kA	
Type	PU pc(s)	Part No.
BXT ML2 BD 180	1	920 247



BXT ML2 BD S 5 – BD S 48

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 1 pair at balanced interfaces with electrical isolation, available with direct or indirect shield earthing.

Type BXT ML2 ...	BD S 5	BD S 12	BD S 24	BD S 48
SPD Class	TYPE 1 Pt	TYPE 1 Pt	TYPE 1 Pt	TYPE 1 Pt
Max. continuous d.c. voltage U_c	6.0 V	15 V	33 V	54 V
Nominal current at 45° C I_L	1.0 A	1.0 A	1.0 A	1.0 A
D1 Total lightning impulse current (10/350 µs) I_{imp}	10 kA	10 kA	10 kA	10 kA
Type	PU pc(s)			Part No.
BXT ML2 BD S 5	1			920 240
BXT ML2 BD S 12	1			920 242
BXT ML2 BD S 24	1			920 244
BXT ML2 BD S 48	1			920 245



BXT ML2 BE S 5 – BE S 48

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 2 single lines with common reference potential as well as unbalanced interfaces, available with direct or indirect shield earthing.

Type BXT ML2 ...	BE S 5	BE S 12	BE S 24	BE S 48
SPD Class	TYPE 1 Pt	TYPE 1 Pt	TYPE 1 Pt	TYPE 1 Pt
Max. continuous d.c. voltage U_c	6.0 V	15 V	33 V	54 V
Nominal current at 45° C I_L	1.0 A	0.75 A	0.75 A	0.75 A
D1 Total lightning impulse current (10/350 µs) I_{imp}	10 kA	10 kA	10 kA	10 kA
Type	PU pc(s)			Part No.
BXT ML2 BE S 5	1			920 220
BXT ML2 BE S 12	1			920 222
BXT ML2 BE S 24	1			920 224
BXT ML2 BE S 48	1			920 225

BXT ML2 BE HFS 5

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 1 pair in high-frequency transmissions without electrical isolation, available with direct or indirect shield earthing.

Type	BXT ML2 BE HFS 5
SPD Class	TYPE 1 Pt
Max. continuous d.c. voltage U_c	6.0 V
Nominal current at 45° C I_L	1.0 A
D1 Total lightning impulse current (10/350 µs) I_{imp}	10 kA
Type	PU pc(s)
BXT ML2 BE HFS 5	1



BXT ML2 BD HFS 5

Space-saving combined lightning current and surge arrester module with LifeCheck for protection of 1 pair in high-frequency bus systems or video transmission systems, available with direct or indirect shield earthing.

Type	BXT ML2 BD HFS 5
SPD Class	TYPE 1 Pt
Max. continuous d.c. voltage U_c	6.0 V
Nominal current at 45° C I_L	1.0 A
D1 Total lightning impulse current (10/350 µs) I_{imp}	10 kA
Type	PU pc(s)
BXT ML2 BD HFS 5	1

BLITZDUCTOR® XT Ex (i) Base Part

BXT BAS EX

BLITZDUCTOR XT blue base part for intrinsically safe measuring circuits; for further details please refer to BXT BAS (No. 920 300).

Type	BXT BAS EX
Cross-sectional area, solid	0.08 - 4 mm ²
Cross-sectional area, flexible	0.08 - 2.5 mm ²
Type	PU pc(s)
BXT BAS EX	1



BLITZDUCTOR® XT Ex (i) LifeCheck® Module

BXT ML4 BD EX 24

Space-saving surge arrester module with LifeCheck for protection of 2 pairs in intrinsically safe circuits and bus systems. KEMA 06 ATEX 0274 X II 2 (1) G EEx ia IIC T4/T5/T6, fulfils FISCO requirements.

Type	BXT ML4 BD EX 24
SPD Class	TYPE 2 Pt
Max. continuous d.c. voltage U_c	33 V
Max. input voltage acc. to EN 50020 U_i	30 V
Max. input current acc. EN 50020 I_i	0.5 A
C2 Total nominal discharge current (8/20 µs) I_n	20 kA
Type	PU pc(s)
BXT ML4 BD EX 24	1



BXT ML4 BC EX 24

Space-saving surge arrester module with LifeCheck for protecting up to 4 earth-potential-free single lines with common reference potential in intrinsically safe circuits. KEMA 06 ATEX 0274 X II 2 (1) G EEx ia IIC T4/T5/T6, fulfils FISCO requirements.

Type	BXT ML4 BC EX 24
SPD Class	TYPE 2 Pt
Max. continuous d.c. voltage U_c	33 V
Max. input voltage acc. to EN 50020 U_i	30 V
Max. input current acc. EN 50020 I_i	0.5 A
C2 Total nominal discharge current (8/20 µs) I_n	20 kA
Type	PU pc(s)
BXT ML4 BC EX 24	1



Accessory Parts for BLITZDUCTOR® XT Base Part

Earthing Module

For direct earthing of lines connected to the BLITZDUCTOR XT base part.

Type	PU pc(s)	Part No.
BXT M4 E	1	920 308



Testing / Disconnection Module

Module for testing lines, for plugging into the BLITZDUCTOR XT base part.

Type	BXT M4 T
Accessories	2 measuring cables (1 m), protective bag
Type	PU pc(s)
BXT M4 T	1



Labelling System

2 x 50 labels for BXT base part, printed with numbers 1-50.

Type	PU pc(s)	Part No.
BS 1 50 BXT	1	920 399



EMC Spring Terminals

2 spring terminals for permanent low-impedant shield contacting of the protected and unprotected side of a BXT unit. With integrated terminal coding for direct or indirect shield earthing, cable ties and insulating strips.

Type	SAK BXT LR
Accessories	cable tie, insulating strips
Type	PU SET
SAK BXT LR	1



SPD
diagnostics with early
warning function!

- Without contacting
- Within seconds
- At low costs

Regular testing of SPDs installed

During operation, an SPD can be overloaded by discharge processes exceeding the equipment specification. In order to ensure high system availability, it is therefore essential to test SPDs on a regular basis. In the EN 62305-3 standard (see table excerpt) the maximum intervals between tests of external and internal lightning protection systems are specified.

Protection level	Visual inspection	Complete inspection	Critical systems complete inspection
I and II	1 year	2 years	1 year
III and IV	2 years	4 years	1 year

Easy testing with LifeCheck

Maintenance of BLITZDUCTOR XT with integrated LifeCheck is particularly easy. LifeCheck uses modern RFID (Radio Frequency Identification) technology for monitoring the protective circuit and for communication. Irrespective of downtimes of the system, LifeCheck allows for quick and easy testing of SPDs by means of the hand-held DRC LC M3 reader or the new stationary DRC MCM condition monitoring unit.

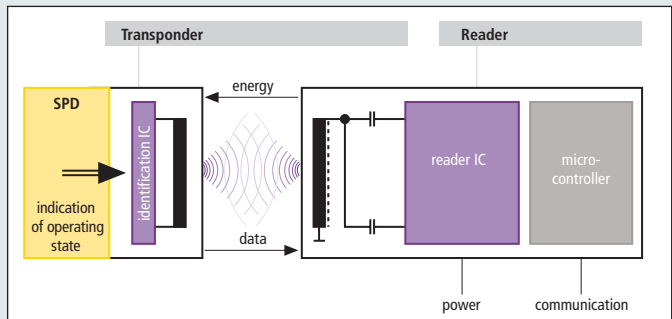
Signal before damage

The 3-stage LifeCheck monitoring circuit with early warning function detects the extreme electrical or thermal load of all protection elements of an SPD below their destruction limit. This can be read out within seconds and without contacting by means of a reader with RFID technology. If the reader displays "OK", no extreme load was detected. If the contrary is the case, the module has to be exchanged as soon as possible in order not to threaten availability of the protected circuit.



Testing an SPD module with RFID technology (LifeCheck)

Functional principal of the LifeCheck diagnostics systems



Principle of communication of an SPD and testing device

The diagnostics system consists of two functional units:

1. RFID reader

Combined with a visual and electrical display, an electronic system transmits energy without contact to the RFID transponder in the SPD via antenna. If the operating state can be read out, an "OK" message is displayed.

2. Control unit within the SPD:

Diagnostics of the 3-stage LifeCheck monitoring circuit is combined with communication of the RFID transponder:

- Diagnostics of electrical overload (impulse current)
If overvoltage peaks may damage components, the transponder interrupts the "OK" message permanently
- Diagnostics of thermal overload (overheating)
If the protection elements work in the critical temperature range, thermal fuse elements prevent the "OK" message permanently.

Accessory Part for BLITZDUCTOR® XT LifeCheck® Modules

DRC MCM XT

available from April 2008

DIN rail mountable device with integrated LifeCheck sensor for operating-state-orientated monitoring of max. 10 BXT devices with LifeCheck. Visual operating state indication of an SPD combined with remote signalling. Selectable break or make contact. BXT devices to be controlled can be programmed by means of DRC MCM via a PC and common RS 485 adapter, or with DRC LC M3.



Type	PU pc(s)	Part No.
DRC MCM XT	1	910 695

DRC LC M3

Portable device with LifeCheck sensor for flexible use. Provides visual and acoustic ok indication for identified LifeCheck circuits in SPDs. With additional USB connection for PC-aided management of test samples and documentation of the test results. DRC LC M3 can save the date of the last test on BXT and helps to program the same for DRC MCM XT Condition Monitoring System.



Type	PU pc(s)	Part No.
DRC LC M3	1	910 653

PLUGGABLE SPDs FOR DIN RAIL MOUNTING **Easy Choice upon Interface / Signal**

Interface Signal	BLITZDUCTOR XT	
	4-pole Module	2-pole Module
0-20 mA, 4-20 mA (also with HART)	920 324	920 224
4-20 mA (also with HART) acc. to NAMUR recommendation NE 21 or acc. to EN 61000-4-5, open-circuit voltage 1 kV A-PG	920 344	920 244
ADVANT	920 370	920 270
ADSL	920 347	920 247
Binary signals	920 320 – 327	920 220 – 225
Bitbus	920 370	920 270
BLN		920 242 920 245
CAN Bus (Data line only)	920 370	920 270
C Bus (Honeywell)	920 370	920 270
Data Highway Plus		920 242
Delta Net Peer Bus	920 370	920 270
Datex-P	920 375	
Device Net (Data line only)	920 370	920 270
E-Bus (Honeywell)	920 345	920 245
EIB	920 310	
ET 200	920 370	920 270
Ex (i) circuits 4-20 mA, NAMUR HART, PROFIBUS-PA, FF	920 381	
Fieldbus Foundation	920 344	920 244
Fieldbus Foundation Ex (i)	920 381	
FIPIO/FIPWAY	920 344	920 244
FIP I/O	920 370	920 270
FSK	920 370	920 270
Genius I/O Bus	920 342	920 242
HDSL up to 30 dBm at 600 W	920 375	
IEC-Bus (RS 485)	920 370	920 270
INTERBUS-INLINE (I/O)	920 345	920 245
K-Bus	920 344	920 244
KBR Energy bus	920 370	920 270
KNX-Bus	920 310	
ISDN S ₀	920 371	920 271
ISDN S _{2m} / U _{2m}	920 375	
ISDN U _{K0} / U _{P0}	920 347	920 247
LON TP/XF 78	920 340	920 240
TP/FTT 10 up to 1 A and TP/LPT10	920 345	920 245
TP/FTT 10	920 371	920 271
LUXMATE Bus	920 344	920 244
M Bus	920 345	920 245
MODBUS	920 370	920 270
Modem M1		920 222
MPI Bus	920 370	920 270
N1 LAN	920 371	920 271

Interface Signal	BLITZDUCTOR XT	
	4-pole Module	2-pole Module
N2 Bus (Johnson Controls, LON, FTT 10)	920 371	920 271
Optocoupler Interface	920 364	
Procontic CS31 (RS 232)	920 322	
Procontic T200 (RS 422)	920 371	
PROFIBUS-DP/FMS	920 370	920 270
PROFIBUS-PA	920 344	920 244
PROFIBUS-PA Ex (i)	920 381	
PROFIBUS	920 370	
SIMATIC NET		920 270
PSM-EG-RS 422	920 371	
PSM-EG-RS 485	920 371	920 271
Rackbus (RS 485)	920 371	920 271
R Bus	920 340	920 240
RS 485	920 370	920 270
RS 422, V11	920 370	920 270
S Bus	920 370	920 270
SafetyBUS p	920 370	920 270
SDLC	920 370	920 270
Securilan LON Bus	920 340	920 240
SHDSL	920 375	
SIGMASYS		920 245 920 225
SINEC L1	920 370	920 270
SINEC L2	920 370	920 270
SS97 SINIS (RS 232)	920 322	920 222
SUCONET	920 370	920 270
T-DSL	920 347	920 247
Telephony, System Telephony e. g. Siemens, HICOM, Alcatel	920 347	920 247
TELEPERM M Analogue input	920 322 920 324	920 222 920 224
TELEPERM M Binary input/output	920 325	920 225
TELEPERM MES 100 K	920 322	920 222
TELEPERM MFM 100	920 342	920 242
TELEPERM M Coupling AG S5 ET 100	920 324	920 224
TELEPERM M Relais output	920 310	
Temperature measurement PT 100, PT 1000, Ni 1000, NTC, PTC	920 350 920 354	920 220
Temperature measurement Ex (i)	920 384	
TTL	920 322	920 222
TTY	920 364	
Universal lightning equipotential bonding	920 310	
V 24 (RS 232 C)	920 322	
Video (2-wire)		920 270 920 271

BLITZDUCTOR CT		BLITZDUCTOR XT	
Part No.	Type	Part No.	Type
919 506	BCT BAS	920 300	BXT BAS
919 310	BCT MLC B 110	920 310	BXT ML4 B 180
919 320	BCT MLC BE 5	920 220 920 320	BXT ML2 BE S 5 BXT ML4 BE 5
919 321	BCT MLC BE 12	920 222 920 322	BXT ML2 BE S 12 BXT ML4 BE 12
919 322	BCT MLC BE 15	920 222 920 322	BXT ML2 BE S 12 BXT ML4 BE 12
919 323	BCT MLC BE 24	920 224 920 324	BXT ML2 BE S 24 BXT ML4 BE 24
919 324	BCT MLC BE 30	920 224 920 324	BXT ML2 BE S 24 BXT ML4 BE 24
919 325	BCT MLC BE 48	920 225 920 325	BXT ML2 BE S 48 BXT ML4 BE 48
919 326	BCT MLC BE 60	920 326	BXT ML4 BE 60
919 327	BCT MLC BE 110	920 327	BXT ML4 BE 180
919 360	BCT MLC BE C 5	—	
919 361	BCT MLC BE C 12	—	
919 362	BCT MLC BE C 24	920 364	BXT ML4 BE C 24
919 363	BCT MLC BE C 30	920 364	BXT ML4 BE C 24
919 340	BCT MLC BD 5	920 240 920 340	BXT ML2 BD S 5 BXT ML4 BD 5
919 341	BCT MLC BD 12	920 242 920 342	BXT ML2 BD S 12 BXT ML4 BD 12
919 342	BCT MLC BD 15	920 242 920 342	BXT ML2 BD S 12 BXT ML4 BD 12
919 343	BCT MLC BD 24	920 244 920 344	BXT ML2 BD S 24 BXT ML4 BD 24
919 344	BCT MLC BD 30	920 244 920 344	BXT ML2 BD S 24 BXT ML4 BD 24
919 345	BCT MLC BD 48	920 245 920 345	BXT ML2 BD S 48 BXT ML4 BD 48
919 346	BCT MLC BD 60	920 346	BXT ML4 BD 60
919 347	BCT MLC BD 110	920 247 920 347	BXT ML2 BD 180 BXT ML4 BD 180
919 349	BCT MLC BD 250	—	
919 370	BCT MLC BD HF 5	920 270 920 370	BXT ML2 BE HFS 5 BXT ML4 BE HF 5
919 371	BCT MLC BD HFD 5	920 271 920 371	BXT ML2 BD HFS 5 BXT ML4 BD HF 5
919 375	BCT MLC BD HFD 24	920 375	BXT ML4 BD HF 24
919 520	BCT MOD ME 5	920 220 920 320	BXT ML2 BE S 5 BXT ML4 BE 5
919 521	BCT MOD ME 12	920 222 920 322	BXT ML2 BE S 12 BXT ML4 BE 12
919 522	BCT MOD ME 15	920 222 920 322	BXT ML2 BE S 12 BXT ML4 BE 12
919 523	BCT MOD ME 24	920 224 920 324	BXT ML2 BE S 24 BXT ML4 BE 24

BLITZDUCTOR CT		BLITZDUCTOR XT	
Part No.	Type	Part No.	Type
919 524	BCT MOD ME 30	920 224 920 324	BXT ML2 BE S 24 BXT ML4 BE 24
919 525	BCT MOD ME 48	920 225 920 325	BXT ML2 BE S 48 BXT ML4 BE 48
919 526	BCT MOD ME 60	920 326	BXT ML4 BE 60
919 527	BCT MOD ME 110	920 327	BXT ML4 BE 180
919 560	BCT MOD ME C 5	—	
919 561	BCT MOD ME C 12	—	
919 562	BCT MOD ME C 24	920 364	BXT ML4 BE C 24
919 563	BCT MOD ME C 30	920 364	BXT ML4 BE C 24
919 540	BCT MOD MD 5	920 240 920 340	BXT ML2 BD S 5 BXT ML4 BD 5
919 541	BCT MOD MD 12	920 242 920 342	BXT ML2 BD S 12 BXT ML4 BD 12
919 542	BCT MOD MD 15	920 242 920 342	BXT ML2 BD S 12 BXT ML4 BD 12
919 543	BCT MOD MD 24	920 244 920 344	BXT ML2 BD S 24 BXT ML4 BD 24
919 544	BCT MOD MD 30	920 244 920 344	BXT ML2 BD S 24 BXT ML4 BD 24
919 545	BCT MOD MD 48	920 245 920 345	BXT ML2 BD S 48 BXT ML4 BD 48
919 546	BCT MOD MD 60	920 346	BXT ML4 BD 60
919 547	BCT MOD MD 110	920 247 920 347	BXT ML2 BD 180 BXT ML4 BD 180
919 549	BCT MOD MD 250	—	
919 570	BCT MOD MD HF 5	920 270 920 370	BXT ML2 BE HFS 5 BXT ML4 BE HF 5
919 571	BCT MOD MD HFD 5	920 271 920 371	BXT ML2 BD HFS 5 BXT ML4 BD HF 5
919 575	BCT MOD MD HFD 24	920 375	BXT ML4 BD HF 24
919 552	BCT MOD MD TC N	—	
919 589	BCT MOD MY 250	920 389	BXT ML4 MY 250

SPDs for hazardous (potentially explosive) areas

919 507	BCT BAS EX	920 301	BXT BAS EX
919 580	BCT MOD MD EX 24	920 381	BXT ML4 BD EX 24
919 581	BCT MOD MD EX 30	920 381	BXT ML4 BD EX 24
919 583	BCT MOD MD HFD EX 6	—	

Accessories

919 502	GDT 90	—	
919 504	BCT MOD PTS	920 309	BXT M4 T
919 505	EKS BCT	920 308	BXT M4 E
919 508	EFK BCT	920 395	SAK BXT LR

Available from