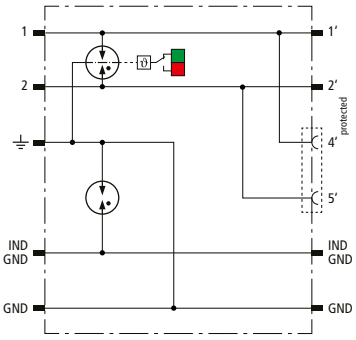
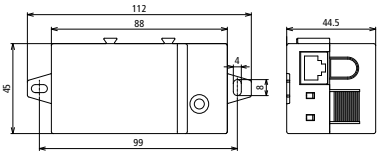
DBX TC B 180 (922 220)

- Arrester monitoring and integrated status indication
- Two-pole wall-mounted arrester for optimal protection of telecommunication interfaces
- For installation in conformity with the lightning protection zone concept at the boundaries from LPZ 0_A to 2 and higher
- Tests by Deutsche Telekom Technik GmbH confirm compatibility with vectoring VDSL (VVDSL), super vectoring VDSL (SVVDSL) and G.Fast.





Basic circuit diagram



Dimension drawing

Space-saving, compact combined arrester in a surface-mounted plastic enclosure with push-in technology and status indication for protecting one pair of unearthed balanced interfaces, particularly telecommunication interfaces up to VVDSL and G.fast (up to 1 GBit/s). Direct / indirect shield earthing possible. Connection of a pair or a patch cable with RJ45 plug at the output.

Type	**DBX TC B 180**
Part No.	**922 220**
SPD class	TYPE 1 P2
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	180 V
Max. continuous operating voltage DC (U_C)	180 V
Max. continuous operating a.c. voltage (U_C)	127 V
Nominal current at 40°C (I_L)	1 A
D1 Total lightning impulse current (10/350 µs) (I_{imp})	7.5 kA
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	2.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	20 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 900 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 650 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 620 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 550 V
Series resistance per line	0 Ohm
Cut-off frequency line-line (100 ohms) (f_G)	425 MHz
Capacitance line-line (C)	≤ 10 pF
Capacitance line-PG (C)	≤ 20 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Degree of protection	IP 20
Cross-sectional area (solid)	0.2-1.5 mm²
Cross-sectional area (fine stranded)	0.25-1.5 mm²
Cross-sectional area of the earth terminal	0.08-4 mm²
Enclosure material	polyamide PA 6.6
Connection (input)	push-in
Connection (output)	push-in / RJ45
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21

Masterdata	
Net weight	64.07 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364433953
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • : Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component