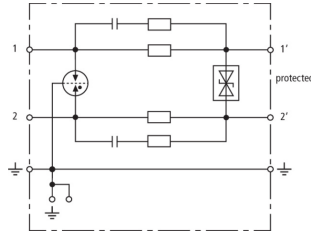


DBX TC 180 (922 210)

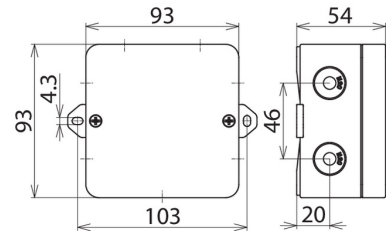
- Powerful protection for telecommunication interfaces
- Suitable for wall mounting, IP 65
- Installation in conformity with the lightning protection zone concept at the boundaries from $0_A - 2$ and higher



Figure without obligation



Basic circuit diagram DBX TC 180



Dimension drawing DBX TC 180

Compact combined arrester in a surface-mounted plastic enclosure for protecting information technology interfaces, particularly telecommunication connections and devices such as analogue telephones, ISDN and xDSL (VDSL2-tested). Fast connection of one pair without tools and integrated strain relief for the connecting cable. Cut-off frequency up to 250 MHz ensures maximum transmission performance in case of high-frequency signal parts.

Type Part No.	DBX TC 180 922 210
SPD class	TYPE 1 P2
Nominal voltage (U_N)	180 V
Max. continuous operating voltage (d.c.) (U_C)	180 V
Max. continuous operating voltage (a.c.) (U_C)	127 V
Nominal current at 45°C (I_L)	0.75 A
D1 Total lightning impulse current (10/350 μ s) (I_{imp})	7.5 kA
D1 Lightning impulse current (10/350 μ s) per line (I_{imp})	2.5 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	15 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	7.5 kA
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 250 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 550 V
Voltage protection level line-line for I_{imp} D1 (U_p)	≤ 300 V
Voltage protection level line-PG for I_{imp} D1 (U_p)	≤ 550 V
Series resistance per line	1.8 ohms
Bandwidth line-line (100 ohms) (f_c)	250 MHz
Capacitance line-line (C)	≤ 20 pF
Capacitance line-PG (C)	≤ 10 pF
Operating temperature range (T_U)	-25 °C ... +40 °C
Degree of protection	IP 65
Cross-sectional area of the signal lines, solid	0.2-1.5 mm ²
Cross-sectional area of the signal lines, flexible	0.25-1.5 mm ²
Cross-sectional area of the earth terminal	0.25-2.5 mm ²
Dimensions (L x W x H)	93 x 93 x 55 mm
Enclosure material	polycarbonate
Colour	grey
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EAC
Weight	138 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364158214
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.