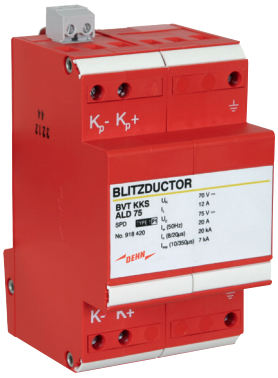
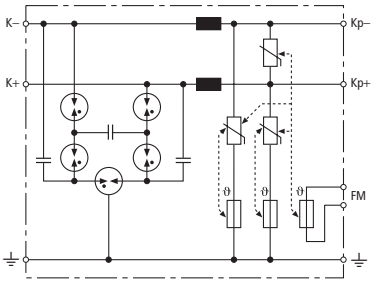
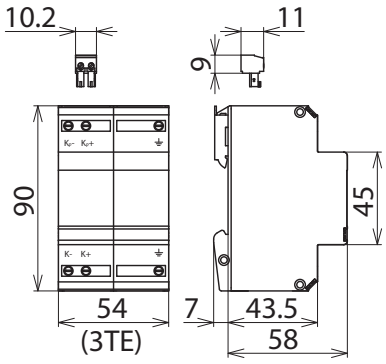
BVT KKS ALD 75 (918 420)

- For protective circuits
- High nominal current
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A – 2 and higher





Basic circuit diagram



Dimension drawing

Energy-coordinated combined lightning current and surge arrester for protecting the rectifier in the protective circuit (red colour). Plug-in remote signalling contact (break contact) indicates overload (thermal monitoring of the varistors). Installation into steel-sheet enclosure recommended. A low impulse sparkover voltage is achieved by capacitive control.

Type	**BVT KKS ALD 75**
Part No.	**918 420**
SPD class	TYPE 1 P1
Nominal voltage (U_N)	70 V
Max. continuous operating voltage DC (U_C)	75 V
Nominal current (I_L)	12 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	3.5 kA
D1 Total lightning impulse current (10/350 µs) (I_{imp})	7 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	20 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	40 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 420 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 420 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 370 V
Voltage protection level line-PG at 1 kV/µs C3 (U_p)	≤ 370 V
Series impedance per line	5 µH
Cut-off frequency line-line (f_G)	1 MHz
Capacitance line-line (C)	≤ 2 nF
Capacitance line-PG (C)	≤ 2 nF
Operating temperature range (T_U)	-40 °C … +80 °C
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input / output)	screw / screw
Cross-sectional area, solid	0.5-6 mm²
Cross-sectional area, flexible	0.5-4 mm²
Earthing via	screw terminal
Enclosure material	thermoplastic, UL 94 V-0
Colour	red
Test standards	IEC 61643-21 / EN 61643-21
Type of remote signalling contact	break contact
Switching capacity (d.c.)	250 V / 0.1 A, 125 V / 0.2 A, 75 V / 0.5 A
Switching capacity (a.c.)	250 V / 0.5 A
Cross-sectional area for remote signalling terminals	max 1.5 mm²

Masterdata	
Net weight	212 g/pc(s)
GTIN	4013364094895
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

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.