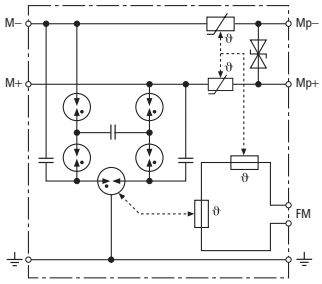
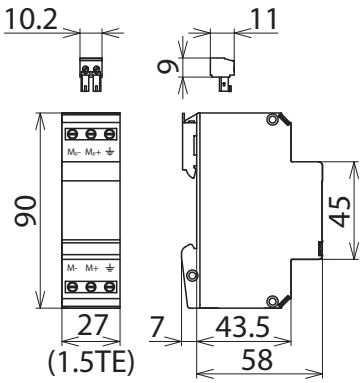
BVT KKS APD 36 (918 421)

- For voltage measuring circuits
- Plug-in remote signalling contact
- 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 voltage measuring circuits (yellow colour). Plug-in remote signalling contact (break contact) indicates overload (thermal monitoring of the discharge paths). Installation into steel-sheet enclosure recommended. A low impulse sparkover voltage is achieved by capacitive control.

Type	**BVT KKS APD 36**
Part No.	**918 421**
SPD class	TYPE 1 P1
Nominal voltage (U_N)	36 V
Max. continuous operating voltage DC (U_C)	36.8 V
Nominal current (I_L)	0.05 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)	≤ 65 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 800 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 48 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 600 V
Series impedance per line	55 ohms
Cut-off frequency line-line (f_G)	4 dB at 1 MHz (100 ohms)
Capacitance line-line (C)	≤ 1 nF
Capacitance line-PG (C)	≤ 10 pF
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 mm-6 mm²
Cross-sectional area, flexible	0.5 mm-4 mm²
Earthing via	screw terminal
Enclosure material	thermplastic, UL 94 V-0
Colour	yellow
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	118.3 g/pc(s)
GTIN	4013364094901
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

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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

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.