

Technical data sheet

Basic protection for two-core systems with HF applications
120 V
Item number: 5097976



TKS-B: Surge protection for use in measuring, control and regulation systems, as well as telecommunication systems

- Basic protection for lightning protection equipotential bonding
- High impulse arresting capacity 6 kA (10/350)
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid

Application: Universal use on 35 mm DIN profile rail in any standard distributor housing.



Master data

Item number	5097976
Type	TKS-B
Description 1	Lightning barrier
Manufacturer	OBO
Dimension	120V AC
Smallest sales unit	1
Unit of quantity	Piece
Weight	4.4 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,2006 kg CO2e / 1 Piece

Dimensions



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	Connection cross-section, flexible, max.	2.5 mm ²
	Connection cross-section, flexible, min.	0.14 mm ²
	Connection cross-section, multi-wire, max.	2.5 mm ²
	Connection cross-section, multi-wire, min.	0.14 mm ²
	Connection cross-section, rigid, max.	2.5 mm ²
	Connection cross-section, rigid, min.	0.14 mm ²
	Number of poles	2
	Insertion loss	3 dB @ 250 MHz dB
	Earthing via:	Connection cable
	Total discharge current (10/350)	D1: 6 kA
	Total discharge current (8/20)	18 kA
	Cut-off frequency	250 MHz
	Maximum continuous voltage AC	120 V
	Maximum continuous voltage DC	170 V
	Insulation resistance	>1 GΩ
	Capacity (wire-wire)	<10 pF
	Capacity (wire-earth)	<10 pF
	Kategorie	Type 1+2 / D1+C2
	Lightning protection zone LPZ	0→2
	Mounting type	DIN rail
	Nominal load current AC	14 A
	Nominal load current DC	20 A
	Testing standard	IEC 61643-21
	ROHS-conformant	yes
	Shielding connection available	no
	Protection rating	IP20
	Protection level wire-wire	<950 V
	Protection level wire-earth	<600 V
	SPD to IEC 61643-21	Class I+II / D1+C2
	Plug-in system	Terminal
	Impulse durability wire-wire	C2: 18 kV / 9 kA
	Impulse durability wire-earth	C2: 18 kV / 9 kA
	Division unit TE (17.5 mm)	1
	Permitted temperature range, max.	80 °C
	Permitted temperature range, min.	-40 °C