

# Datasheet

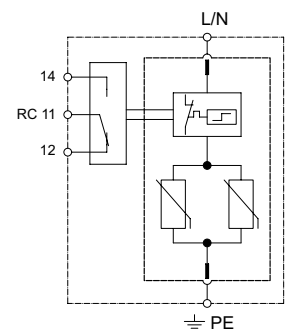
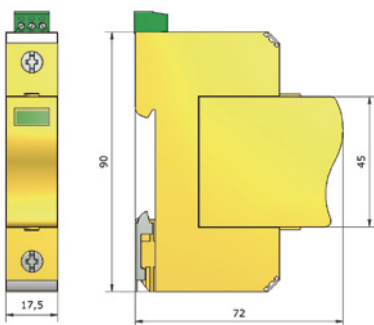
## Class I+II (T1+T2) Combined Arresters

### IsoPro BC pluggable

#### IPS BC 12.5

Single pole pluggable combined lightning and surge arrester, for example for L/N-PE and L-PEN

- High lightning impulse discharge current of 12.5 kA (10/350)
- Optionally with remote contact (FM)



Technical Data	IPS BC 12.5/275	IPS BC 12.5/320
Nominal voltage AC (UN)	230 V~	230 V~
Max. continuous operating voltage AC (Uc)	275 V~	320 V~
Max. continuous operating voltage DC (Uc)	350 V=	420 V=
Nominal discharge current (8/20) (In)	25 kA	25 kA
max. discharge current (8/20) (Imax)	50 kA	50 kA
Impulse current (10/350µs) (Iimp)	12.5 kA	12.5 kA
Protection level at In (8/20µs) (Up)	< 1.3 kV	< 1.4 kV
Protection level at 5kA (8/20µs) (Uas)	< 0.9 kV	< 1.0 kV
Response time (tA)	< 25 ns	< 25 ns
back up fuse (if mains > 250 A)	160 A gL	160 A gL
Short-circuit withstand current (Ik)	25 kA	25 kA
Operating temperature range (TU)	-40 - +80 [°C]	-40 - +80 [°C]
Max. conductor cross section	35 stranded/25 fine-stranded [mm <sup>2</sup> ]	35 stranded/25 fine-stranded [mm <sup>2</sup> ]
Max. connection torque for terminals	3.5 Nm	3.5 Nm
Degree of protection (IEC EN 60529)	IP 20	IP 20
Enclosure material / colour	Thermoplastic UL94-V0/yellow	Thermoplastic UL94-V0/yellow
Mounting on	DIN rail 35 mm (DIN EN 50 022)	DIN rail 35 mm (DIN EN 50 022)
Dimensions (DIN 43880)	1 TE	1 TE
Net weight / pc	160 g	170 g

Order Data	IPS BC 12.5/275	IPS BC 12.5/320
Product	IPS BC 12.5/275	IPS BC 12.5/320
Ordering part no.	38 16 40	38 16 60

Technical Data and Order Data	IPS BC 12.5/275/FM	IPS BC 12.5/320/FM
FM contact / contact type	Changeover contact	Changeover contact
Switching capacity	AC: 250V/0.5A 125V/3A	AC: 250V/0.5A 125V/3A
Ordering part no.	38 16 41	38 16 61

DB00048.01\_EN 20101203

We reserve the right to make alterations in style and form in line with technical development. The illustrations are non-binding. We do not assume liability for mistakes or printing errors.  
All Copyrights © LEUTRON GmbH 2010