

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)



Attachment plug with surge protection for coaxial signal interfaces. Connection: N connector, female/female

Why buy this product

Mounting plate enables mounting, e.g., in a control cabinet

☐ Gas-filled surge arrester can be replaced in case of malfunction



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 170 (TT-2011)
GTIN	4 046356 293211
Custom tariff number	85363010
Country of origin	UNITED STATES

Technical data

General

Housing material	Brass (CuZn)
Color	nickel
Standards for air and creepage distances	DIN VDE 0110-1
Standards for air and creepage distances	IEC 60664-1
Ambient temperature (operation)	-40 °C 90 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP68
Direction of action	Line-Shield/Earth Ground
Width	24 mm
Height	24 mm
Depth	47 mm

Protective circuit



Technical data

Protective circuit

IEC category	1 Totective Circuit	
EC category	IEC category	
VDE requirement class C2 VDE requirement class C3 VDE requirement class D1 Maximum continuous operating voltage UC 70 V DC Maximum continuous operating voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 50 V AC Maximum continuous voltage UC (wire-ground) 50 V AC Nominal current IN 10 A Operating effective current IC at UC ≤ 1 µA Nominal discharge surge current In (8/20) µs (Core-Earth) 5 kA Nominal discharge surge current Imax (8/20) µs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) µs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) µs maximum (Core-Shield) 10 kA Nominal pube current (10/350) µs, peak value limp 1 kA Output voltage limitation at 1 kV/µs (Core-Earth) spike < 650 V	IEC category	C3
VDE requirement class C3 VDE requirement class D1 Maximum continuous operating voltage UC 50 V AC Maximum continuous voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 50 V AC Nominal current IN 10 A Operating effective current IC at UC ≤ 1 µA Nominal discharge surge current In (8/20) μs (Core-Earth) 5 kA Nominal discharge surge current In (8/20) μs (Core-Shield) 5 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Nominal pulse current I (10/1000) μs (Core-Shield) 100 A Lightning test current (10/250) μs, peak value limin 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) static < 650 V	IEC category	D1
VDE requirement class	VDE requirement class	C2
Maximum continuous operating voltage UC Maximum continuous voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 50 V AC Nominal current IN 10 A Operating effective current Ic at UC Nominal discharge surge current In (8/20) μs (Core-Earth) Nominal discharge surge current In (8/20) μs (Core-Earth) Nominal discharge surge current In (8/20) μs (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Shield) Nominal pulse current In (10/1000) μs (Core-Shield) 100 A Lightning test current (10/350) μs, peak value limp 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 2650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 2650 V Output voltage limitation at 1 kV/μs (Core-Shield) static 2650 V Protection level UP (Core-Earth) 2800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) 2800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) 2800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) 210 ns Response time tA (Core-GND) 100 ns Response time tA (Core-GND) 100 ns 210	VDE requirement class	C3
Maximum continuous operating voltage UC 50 V AC Maximum continuous voltage UC (wire-ground) 70 V DC Maximum continuous voltage UC (wire-ground) 50 V AC Nominal current IN 10 A Operating effective current IC at UC ≤ 1 μA Nominal discharge surge current In (8/20) μs (Core-Earth) 5 kA Nominal discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 100 A Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 100 A Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 100 A Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 100 A Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 100 A Uby Voltage Imitation at 1 kV/μs (Core-Shield) psike 650 V Output voltage Imitation at 1 kV/μs (Core-Shield) psike 650 V Output voltage Imitation at 1 kV/μs (Core-Shield) psike 650 V Output voltage Imitation at 1 kV/μs (Core-Earth) 800 V (C2 (4	VDE requirement class	D1
Maximum continuous voltage UC (wire-ground) 70 V DC	Maximum continuous operating voltage UC	70 V DC
Maximum continuous voltage UC (wire-ground) 50 V AC	Maximum continuous operating voltage UC	50 V AC
Nominal current IN 10 A Operating effective current IC at UC ≤ 1 μA Nominal discharge surge current In (8/20) μs (Core-Earth) 5 kA Nominal discharge surge current Imax (8/20) μs (Core-Shield) 5 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Nominal pulse current Ian (10/1000) μs (Core-Shield) 100 A Lightning test current (10/350) μs, peak value imp 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike ≤ 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static ≤ 650 V Output voltage limitation at 1 kV/μs (Core-Shield) static ≤ 650 V Output voltage limitation at 1 kV/μs (Core-Earth) ≤ 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) ≤ 1 kV (C2 (10 kV/5 kA)) Protection level UP (Core-Earth) ≤ 1 kV (C2 (10 kV/5 kA)) Protection level UP (Core-Earth) ≤ 1 kV (C2 (10 kV/5 kA)) Response time tA (Core-Earth) ≤ 100 ns Response time tA (Core-Earth) ≤ 100 ns Input attenuation aE	Maximum continuous voltage UC (wire-ground)	70 V DC
Operating effective current IC at UC Nominal discharge surge current In (8/20) μs (Core-Earth) S kA Nominal discharge surge current In (8/20) μs (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA 10 kA 450 kA	Maximum continuous voltage UC (wire-ground)	50 V AC
Nominal discharge surge current In (8/20) μs (Core-Earth) 5 kA Nominal discharge surge current In (8/20) μs (Core-Shield) 5 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) 10 kA Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Nominal pulse current lan (10/1000) μs (Core-Shield) 100 A Lightning test current (10/350) μs, peak value limp 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 650 V Output voltage limitation at 1 kV/μs (Core-Earth) static 650 V Protection level UP (Core-Earth) 5 kN (C2 (10 kV/5 kA)) Protection level UP (Core-Earth) 5 kN (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) 5 kN (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) 5 kN (C2 (10 kV/5 kA)) Response time tA (Core-Earth) 6 loo ns Response time tA (Core-GND) 6 loo ns Response time tA (Core-GND) 6 loo ns Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system 7 loo ns Standing wave ratio SWR in a 50 Ω system 7 loo ns Standing wave ratio SWR in a 50 Ω system 7 loo ns Capacity (Core-Earth) 7 loo ns Capacity (Core-Earth) 7 loo ns Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) 7 loo ns Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA)	Nominal current IN	10 A
Nominal discharge surge current In (8/20) μs (Core-Shield) Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) 10 kA Nominal pulse current Ian (10/1000) μs (Core-Shield) Lightning test current (10/350) μs, peak value limp 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) static 650 V Output voltage limitation at 1 kV/μs (Core-Shield) static 650 V Protection level UP (Core-Earth) 70 ceres (Core-Shield) 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) 81 kV (C2 (10 kV/5 kA)) Response time tA (Core-GnD) 10 ns Response time tA (Core-GnD) 10 ns 1	Operating effective current IC at UC	≤ 1 μA
Max. discharge surge current Imax (8/20) μs maximum (Core-Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Nominal pulse current (10/350) μs, peak value limp 10 kA Lightning test current (10/350) μs, peak value limp 11 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike Output voltage limitation at 1 kV/μs (Core-Earth) spike Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Shield) static 650 V Output voltage limitation at 1 kV/μs (Core-Shield) static 650 V Protection level UP (Core-Earth) Source (2 (4 kV/2 kA)) Protection level UP (Core-Earth) Frotection level UP (Core-Earth) Source (2 (4 kV/2 kA)) Protection level UP (Core-Shield) Response time tA (Core-Earth) Source (2 (4 kV/2 kA)) Response time tA (Core-Earth) Source (3 dB), asym. (shield) in 50 Ohm system Frequency range Ohz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) Typ. 1.5 pF Capacity (Core-Earth) Capacity (Core-Earth) Capacity (Core-Earth) Capacity (Core-Earth) Capacity (Core-Earth) Carpacity (C	Nominal discharge surge current In (8/20) µs (Core-Earth)	5 kA
Earth) Max. discharge surge current Imax (8/20) μs maximum (Core-Shield) Nominal pulse current Ian (10/1000) μs (Core-Shield) Lightning test current (10/350) μs, peak value limp 1 kA Output voltage limitation at 1 kV/μs (Core-Earth) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) spike 650 V Output voltage limitation at 1 kV/μs (Core-Shield) static 650 V Protection level UP (Core-Earth) Protection level UP (Core-Earth) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Response time tλ (Core-Earth) Response time tλ (Core-Earth) Sano V (C2 (10 kV/5 kλ)) Response time tλ (Core-Carth) Input attenuation aE, asym. Out dB (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system Frequency range OHz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) Output 1,5 pF Capacity (Core-Earth) Capacity (Core-Earth) Capacity asymmetrical (shield) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Cay (Cay (10 kV/5 kλ)) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Cay (Cay (10 kV/5 kλ))	Nominal discharge surge current In (8/20) µs (Core-Shield)	5 kA
Shield Nominal pulse current Ian (10/1000) μs (Core-Shield) 100 A		10 kA
Lightning test current (10/350) μs, peak value limp Output voltage limitation at 1 kV/μs (Core-Earth) spike Output voltage limitation at 1 kV/μs (Core-Shield) spike Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Earth) static Output voltage limitation at 1 kV/μs (Core-Shield) static Frotection level UP (Core-Earth) Protection level UP (Core-Earth) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Sano V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) Sano V (C2 (4 kV/2 kA)) Sano V (C2 (10 kV/5 kA) S		10 kA
Output voltage limitation at 1 kV/µs (Core-Earth) spike	Nominal pulse current lan (10/1000) µs (Core-Shield)	100 A
Output voltage limitation at 1 kV/µs (Core-Shield) spike $\leq 650 \text{ V}$ Output voltage limitation at 1 kV/µs (Core-Earth) static $\leq 650 \text{ V}$ Output voltage limitation at 1 kV/µs (Core-Shield) static $\leq 650 \text{ V}$ Protection level UP (Core-Earth) $\leq 800 \text{ V}$ (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) $\leq 1 \text{ kV}$ (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) $\leq 800 \text{ V}$ (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) $\leq 1 \text{ kV}$ (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) $\leq 1 \text{ kV}$ (C2 (10 kV/5 kA)) Response time tA (Core-Earth) $\leq 100 \text{ ns}$ Response time tA (Core-GND) $\leq 100 \text{ ns}$ Input attenuation aE, asym. $= 0.1 \text{ dB}$ (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system $= 6 \text{ GHz}$ Frequency range $= 0 \text{ Hz} \dots 6 \text{ GHz}$ Standing wave ratio SWR in a 50 Ω system $= 0.1 \text{ Sp} \text{ C}$ (3 0 0 N) Permissible HF power Pmax. at SWR=xx (50 Ohm system) $= 0.1 \text{ Sp} \text{ C}$ (20 kV/5 kA) Capacity (Core-Earth) $= 0.1 \text{ Sp} \text{ C}$ (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) $= 0.1 \text{ C2} \text{ (10 kV/5 kA)}$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA)	Lightning test current (10/350) µs, peak value limp	1 kA
Output voltage limitation at 1 kV/µs (Core-Earth) static $\leq 650 \text{ V}$ Output voltage limitation at 1 kV/µs (Core-Shield) static $\leq 650 \text{ V}$ Protection level UP (Core-Earth) $\leq 800 \text{ V}$ (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) $\leq 1 \text{ kV}$ (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) $\leq 800 \text{ V}$ (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) $\leq 800 \text{ V}$ (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) $\leq 1 \text{ kV}$ (C2 (10 kV/5 kA)) Response time tA (Core-Earth) $\leq 100 \text{ ns}$ Response time tA (Core-GND) $\leq 100 \text{ ns}$ Input attenuation aE, asym. $= 0.1 \text{ dB}$ (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system $= 0.1 \text{ dB}$ (6 GHz) Standing wave ratio SWR in a 50 $= 0.0 \text{ system}$ Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA)	Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 650 V
Output voltage limitation at 1 kV/µs (Core-Shield) static ≤ 650 V Protection level UP (Core-Earth) ≤ 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Earth) ≤ 1 kV (C2 (10 kV/5 kA)) Protection level UP (Core-Shield) ≤ 800 V (C2 (4 kV/2 kA)) Protection level UP (Core-Shield) ≤ 1 kV (C2 (10 kV/5 kA)) Response time tA (Core-Earth) ≤ 100 ns Response time tA (Core-GND) ≤ 100 ns Input attenuation aE, asym. 0.1 dB (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system > 6 GHz Frequency range 0 Hz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C3 (100 A)	Output voltage limitation at 1 kV/µs (Core-Shield) spike	≤ 650 V
Protection level UP (Core-Earth) $\leq 800 \text{ V} (C2 (4 \text{ kV/2 kA}))$ Protection level UP (Core-Earth) $\leq 1 \text{ kV} (C2 (10 \text{ kV/5 kA}))$ Protection level UP (Core-Shield) $\leq 800 \text{ V} (C2 (4 \text{ kV/2 kA}))$ Protection level UP (Core-Shield) $\leq 1 \text{ kV} (C2 (10 \text{ kV/5 kA}))$ Response time tA (Core-Earth) $\leq 100 \text{ ns}$ Response time tA (Core-GND) $\leq 100 \text{ ns}$ Input attenuation aE, asym. $\leq 100 \text{ ns}$ Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system $\leq 6 \text{ GHz}$ Frequency range $\leq 100 \text{ ms}$ Standing wave ratio SWR in a 50 $\leq 100 \text{ system}$ Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA)	Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 650 V
Protection level UP (Core-Earth) \$\leq 1 \text{ kV (C2 (10 kV/5 kA))}\$ Protection level UP (Core-Shield) \$\leq 800 \text{ V (C2 (4 kV/2 kA))}\$ Protection level UP (Core-Shield) \$\leq 1 \text{ kV (C2 (10 kV/5 kA))}\$ Response time tA (Core-Earth) \$\leq 100 \text{ ns}\$ Response time tA (Core-GND) \$\leq 100 \text{ ns}\$ Input attenuation aE, asym. \$\leq 0.1 \text{ dB (6 GHz)}\$ Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system \$\leq 6 \text{ GHz}\$ Frequency range \$\leq 0 \text{ Hz 6 GHz}\$ Standing wave ratio SWR in a 50 Ω system \$\text{ Typ. 1.15 (6 GHz)}\$ Permissible HF power Pmax. at SWR=xx (50 Ohm system) \$\text{ 30 W (VSWR = 1.15)}\$ Capacity (Core-Earth) \$\text{ Typ. 1.5 pF}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) \$\text{ C2 (10 kV/5 kA)}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) \$\text{ D1 (1 kA)}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) \$\text{ C2 (10 kV/5 kA)}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) \$\text{ C2 (10 kV/5 kA)}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) \$\text{ C2 (10 kV/5 kA)}\$ Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) \$\text{ C2 (10 kV/5 kA)}\$	Output voltage limitation at 1 kV/µs (Core-Shield) static	≤ 650 V
Protection level UP (Core-Shield) $\leq 800 \text{ V } (\text{C2 } (4 \text{ kV/2 kA}))$ Protection level UP (Core-Shield) $\leq 1 \text{ kV } (\text{C2 } (10 \text{ kV/5 kA}))$ Response time tA (Core-Earth) $\leq 100 \text{ ns}$ Response time tA (Core-GND) $\leq 100 \text{ ns}$ Input attenuation aE, asym. $= 0.1 \text{ dB } (6 \text{ GHz})$ Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system $= 6 \text{ GHz}$ Frequency range $= 0 \text{ Hz 6 GHz}$ Standing wave ratio SWR in a 50 $= 0 \text{ System}$ Permissible HF power Pmax. at SWR=xx (50 Ohm system) $= 0 \text{ System}$ Capacity (Core-Earth) $= 0 \text{ Cy } (0 \text{ System})$ Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Protection level UP (Core-Earth)	≤ 800 V (C2 (4 kV/2 kA))
Protection level UP (Core-Shield) ≤ 1 kV (C2 (10 kV/5 kA)) Response time tA (Core-Earth) ≤ 100 ns Response time tA (Core-GND) ≤ 100 ns Input attenuation aE, asym. 0.1 dB (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system > 6 GHz Frequency range 0 Hz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Protection level UP (Core-Earth)	≤ 1 kV (C2 (10 kV/5 kA))
Response time tA (Core-Earth) \leq 100 ns Response time tA (Core-GND) \leq 100 ns Input attenuation aE, asym. 0.1 dB (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system \Rightarrow 6 GHz Frequency range 0 Hz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C3 (100 A) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Protection level UP (Core-Shield)	≤ 800 V (C2 (4 kV/2 kA))
Response time tA (Core-GND) ≤ 100 ns Input attenuation aE, asym. 0.1 dB (6 GHz) Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system > 6 GHz Frequency range 0 Hz 6 GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA)	Protection level UP (Core-Shield)	≤ 1 kV (C2 (10 kV/5 kA))
Input attenuation aE, asym. Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system > 6 GHz Frequency range 0 Hz 6 GHz Standing wave ratio SWR in a 50 Ω system Permissible HF power Pmax. at SWR=xx (50 Ohm system) Capacity (Core-Earth) Typ. 1.15 (6 GHz) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Cupacity asymmetrical (shield) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (3 dB), asym. Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (3 dB), asym. Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (3 dB), asym. Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (6 GHz) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (6 GHz) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency fg (6 GHz) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Cut-off frequency function in the function of the func	Response time tA (Core-Earth)	≤ 100 ns
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system > 6 GHz Frequency range $0 \text{ Hz} \dots 6$ GHz Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) 30 W (VSWR = 1.15) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Response time tA (Core-GND)	≤ 100 ns
Frequency range Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Input attenuation aE, asym.	0.1 dB (6 GHz)
Standing wave ratio SWR in a 50 Ω system Typ. 1.15 (6 GHz) Permissible HF power Pmax. at SWR=xx (50 Ohm system) Capacity (Core-Earth) Capacity (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	> 6 GHz
Permissible HF power Pmax. at SWR=xx (50 Ohm system) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Frequency range	0 Hz 6 GHz
Capacity (Core-Earth) Capacity (Core-Earth) Typ. 1.5 pF Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Standing wave ratio SWR in a 50 Ω system	Typ. 1.15 (6 GHz)
Capacity asymmetrical (shield) Typ. 1.5 pF Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Permissible HF power Pmax. at SWR=xx (50 Ohm system)	30 W (VSWR = 1.15)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) D1 (1 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) C3 (100 A) C3 (100 A)	Capacity (Core-Earth)	Typ. 1.5 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Capacity asymmetrical (shield)	Typ. 1.5 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C2 (10 kV/5 kA) Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C3 (100 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) C3 (100 A)	Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	D1 (1 kA)
	Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield) D1 (1 kA)	Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield)	C3 (100 A)
	Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield)	D1 (1 kA)



Technical data

Protective circuit

Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Shield)	5 A - 1 s
(Core-Shield)	

Connection data

Connection method	N connector 50 Ω
Connection type IN	N connector, female
Connection type OUT	N connector, female

Connection, protective circuit

Standards/regulations	IEC 61643-21

Classifications

eclass

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807

etim

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

unspsc

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

GOST

Ex Approvals



Approvals

Approvals submitted

Approval details

GOST 🕙

Accessories

Accessories

Assembly

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

Mounting plate - CN-UB/MP-90DEG-50 - 2803137



Angled bracket for individually fixing CN-UB... to housing panels, for example.

Additional products

Mounting plate - CN-UB/MP - 2818135

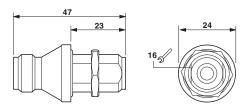


Tongue for attaching the CN-UB..., to housing panels, for example.

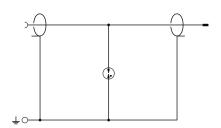
Drawings



Dimensioned drawing



Circuit diagram



© Phoenix Contact 2012 - all rights reserved http://www.phoenixcontact.com