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Screw-on module with surge protection, for coaxial signal interfaces with floating shield, transmission power 200 W, connection: UHF connector



Key commercial data

Packing unit	1 pc
GTIN	4 017918 069629
Weight per Piece (excluding packing)	109.64 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C 80 °C
Degree of protection	IP20

General

Housing material	Aluminum
Color	black
Mounting type	Connection-specific intermediate plugging
Туре	Attachment plug
Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1



Technical data

Protective circuit

Maximum continuous operating voltage U _c	130 V AC
Maximum continuous voltage U _c (wire-ground)	130 V AC
Residual current I _{PE}	$\leq 2 \mu A$
Nominal discharge current I _n (8/20) µs (Core-Earth)	5 kA
Nominal discharge current I _n (8/20) µs (Core-Shield)	5 kA
Total surge current (8/20) µs	10 kA
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 450 V
Output voltage limitation at 1 kV/µs (Core-Shield) spike	≤ 650 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 450 V
Output voltage limitation at 1 kV/µs (Core-Shield) static	≤ 650 V
Voltage protection level U _P (Core-Earth)	≤ 450 V
Voltage protection level U _P (Core-Shield)	≤ 650 V
Response time tA (Core-Earth)	≤ 100 ns
Response time tA (Core-GND)	≤ 100 ns
Input attenuation aE, asym.	0.3 dB (≤ 150 MHz)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	typ. 550 MHz
Standing wave ratio SWR in a 50 Ω system	≤ 1.2 (≤ 80 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = ∞)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 - 10 kV / 5 kA
	D1 - 2,5 kA

Connection data

Connection method	UHF connector	
Connection, equipotential bonding		
Connection method	PVC litz wire	
Standards and Regulations		

Standards/regulations	IEC 61643-21

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801



Classifications

eCl@ss

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

CSA / GOST

Ex Approvals

Approvals submitted

Approval details

csa 🕚	
Nominal voltage UN	130 V



Approvals

GOST

Drawings

Circuit diagram







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