

EMC Components

EMC Filters for AC Power Line

Inlet-socket Type

ZUMT, ZUST Series

FEATURES

- The ZUMT and ZUST series are AC inlet sockets with in-line ground inductors in accordance with IEC standards.
- Although highly compact, these filters provide excellent attenuation of the common mode noise component.
- These sockets are solid molded and offer superior reliability. They are capable of withstanding humidity, vibration, and shock, making them ideal for application in harsh environments.
- The ZUST series features a metal case connected to the ground terminal. By conducting noise current directly to the metal frame, this product effectively prevents input/output coupling.

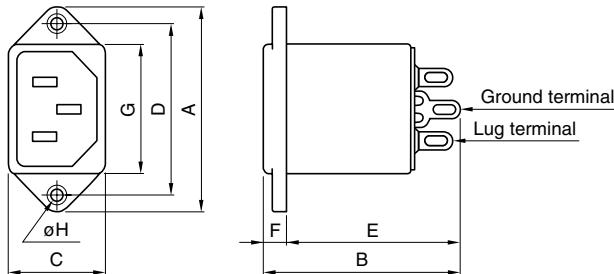
SAFETY STANDARDS

Part No.	Standard and standard No.		
	U.S.A	Canada	Europe*
	UL	CSA	VDE
ZUMT2210-02	UL1283	CSA C22.2 No.8	VDE565 Teil3
ZUMT2210-05	E62388	LR76849C	19047-4730-1005
ZUST2210-02	E62388	LR76849C	19047-4730-1005
ZUST2210-05	E62388	LR76849C	19047-4730-1005

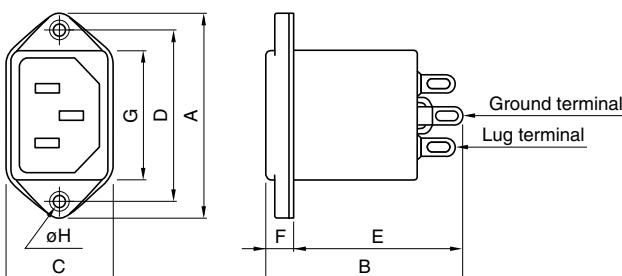
* The authorization standard is different depending on time when products were produced about European standards.

SHAPES AND DIMENSIONS

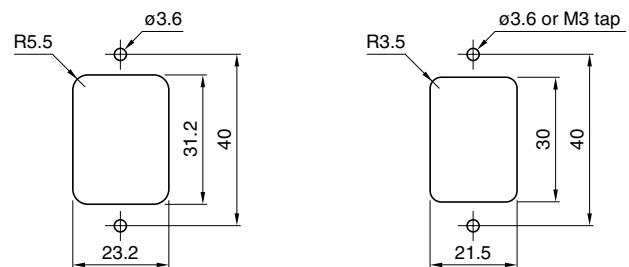
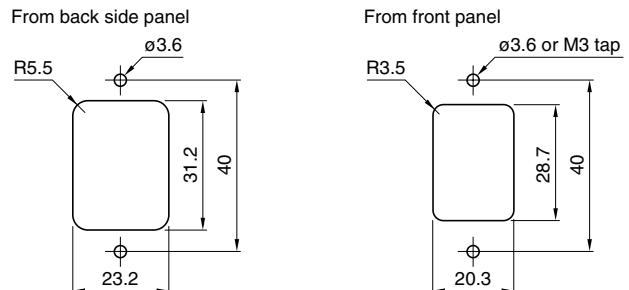
ZUMT



ZUST



Typical dimensions for installation



• Tighten the panel mounting M3 dia. bolt with the torque under $5.88 \times 10^{-1} \text{ N}\cdot\text{m}$.

Dimensions in mm

Part No.	A	B	C	D	E	F	G	øH
ZUMT2210-02, -05	48	46	22.5	40	40.8	5.2	30.5	3.3
ZUST2210-02, -05	48	46	25	40	40	6	30.5	3.3

• Case: plastic (ZUMT), metal (ZUST), input terminal: inlet-socket (EN60320), output terminal: lug terminal

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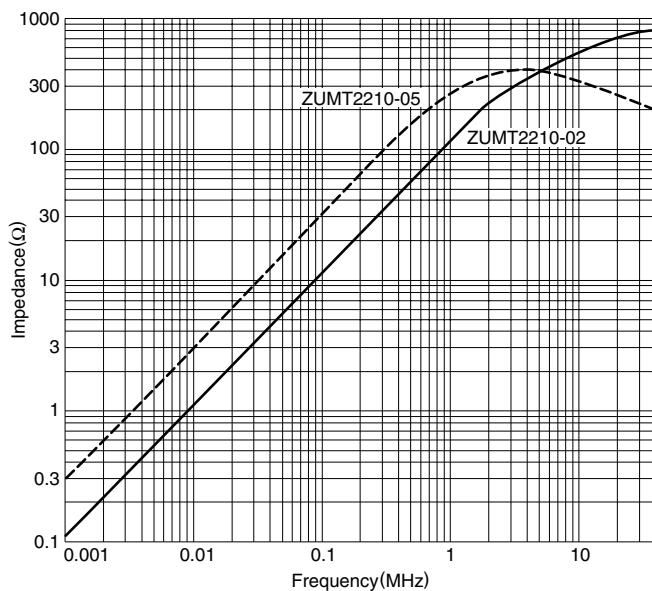
ZUMT, ZUST Series

ELECTRICAL CHARACTERISTICS

Part No.	ZUMT2210-02	ZUMT2210-05	ZUST2210-02	ZUST2210-05
Rated voltage Eac(V)	250	250	250	250
Rated current(A)	10	10	10	10
Test voltage Eac(V)[Between terminal and ground terminal]	1500	1500	1500	1500
Insulation resistance(MΩ)	100min.	100min.	100min.	100min.
[AC. 500V, 1min/between terminal and ground terminal]				
DC resistance(mΩ)	5max.	5max.	5max.	5max.
Operating temperature range(°C) [Including self-temperature rise]	-25 to +85	-25 to +85	-25 to +85	-25 to +85
With derating over(°C)	55	55	55	55
Temperature rise(°C) [Applied rated current at ground terminal]	30max.	30max.	30max.	30max.
Inductance(μH) [at 1kHz]	11+50, -30%	55+50, -30%	11+50, -30%	55+50, -30%
Weight(g)	30	30	43	43

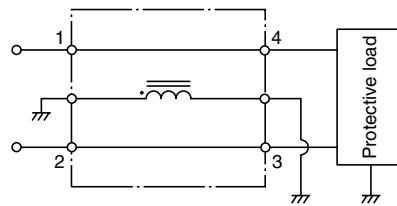
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS (Reference)



CIRCUIT DIAGRAMS

ZUMT



ZUST

