

EPIC® POWER LS1 D6 3+PE+4 K KURZ 8,5-11 (**Article No.:** 73000024

Cable connector; M 23 power; Socket; Number of contacts: 3+PE+4; Clamping range (min./max.): 0.335in - 0.433in

**Details****Application**

- Plant engineering

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks**Technical Data****General information**

Brand

EPIC®

Product type	Cable connector
Scope of delivery	including contacts
Contacts included	Yes
Delivery Unit	5

Electrical parameters

Rated voltage power contact	630 V AC rms / DC according to IEC to 3 600 V AC rms / DC according to UL to 3 600 V AC rms / DC according to CSA to 3
Rated voltage signal contact	250 V AC rms / DC according to IEC to 4 250 V AC rms / DC according to UL to 4 250 V AC rms / DC according to CSA to 4
Rated surge voltage power contact	6 kV AC rms / DC according to IEC 61984 to 3
Rated surge voltage signal contact	4 kV AC rms / DC according to IEC 61984 to 4
Rated current power contact	26 A according to UL 26 A according to CSA 26 A according to IEC
Rated current signal contact	7 A according to UL 7 A according to CSA 7 A according to IEC
Overvoltage category	III

Product design

Number of contacts	3+PE+4
Number of power contacts	3
Number of PE contacts	1
Number of signal contacts	4
Locking mechanism	Screw lock
Diameter connector	1.118 in
Total length	2.835 in
Overall width	1.102 in
Contact variant	Socket
Connector housing design	Straight

Coded	No
With thread	No
With protective conductor	Yes
Leading PE contact	Yes
Format of connector	M 23 power
Connector type	Socket
Screen contact	Yes
EMC shielding	Yes
Min. cable clamping range	0.335 in
Cable clamping range max.	0.433 in
Connection type conductor	Crimp termination
PE connection type	Crimp termination
Shield contact type	Terminal Connection
Stripping length, power contact	8 mm
Stripping length, signal contact	6,5 mm
Stripping length of the jacket	1.575 in
Stripping length of PE	0.315 in
Connectable conductor cross section min. (AWG)	26 AWG
Max. connectable conductor cross-section AWG	14 AWG
Connectable conductor cross-section for power contacts min. (mm ²)	0.5 mm ²
Connectable conductor cross-section for power contacts max. (mm ²)	2.5 mm ²
Connectable conductor cross-section for signal contacts min. (mm ²)	0.14 mm ²
Connectable conductor cross-section for signal contacts max. (mm ²)	1 mm ²
Material cable gland	Polyamide
Cable gland material, short form	PA
Housing main material	Zinc alloy
Housing base material, short form	Zn
Housing coating	Nickel-plated
Coating housing shortname	Ni
Material contact	Brass

Contact material, short form	CuZn
Contact coating material	Gold-plated
Contact coating material, short form	Au
Contact insert material	Polyamide
Material contact insert shortname	PA
Seal type	Compression Ring
Material sealing	Fluorinated rubber
Colour description	green
Colour housing	silver

Product features

Min. number of insertion cycles	500
Protection rating (IP), mounted	IP 2X
IP protection rating mounted	IP 68 - 1m (10h)
Pollution degree	3
Operating temperature min. static (no plugging or unplugging)	-40 °C
Operating temperature max.	-25 °C
Operation temperature max.	125 °C
corrosion resistant	Yes
Halogenfree	No
Impact proof	Yes
Vibration protection	Yes

Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 39
UR recognized	Yes
UR certification	according to UL 2238 (e-file number: E249137)
UL category control number	CYJV2
cUR recognized	Yes

cUR certification	according to CSA C22.2 No. 182.3 (e-file number: E249137)
cUR category control number	CYJV8
CSA certified	Yes
VDE certified	Yes
VDE registration number	B25
Product standard according to IEC	IEC 61984

EPIC® POWER LS1 D6 short

Article No.	Name	Number of contacts	Contacts included	Min. cable clamping range	Cable clamping range max.	Delivery Unit	Number of power contacts	Number of PE contacts	Connectable conductor cross-section for power contacts min. (mm ²)	Connectable conductor cross-section for power contacts max. (mm ²)	Number of signal contacts	Connectable conductor cross-section for signal contacts min. (mm ²)	Connectable conductor cross-section for signal contacts max. (mm ²)
73000024	EPIC® POWER LS1 D6 3+PE+4 K KURZ 8,5-11 (3+PE+4	Yes	0.335 in	0.433 in	5	3	1	0.5 mm ²	2.5 mm ²	4	0.14 mm ²	1 mm ²
73000025	EPIC® POWER LS1 D6 3+PE+4 K KURZ 10,5-15,	3+PE+4	Yes	0.413 in	0.61 in	5	3	1	0.5 mm ²	2.5 mm ²	4	0.14 mm ²	1 mm ²
73000027	EPIC® POWER LS1 D6 3+PE+4 KURZ 10,5-15,5	3+PE+4	No	0.413 in	0.61 in	20	3	1	0.5 mm ²	4 mm ²	4	0.14 mm ²	1 mm ²
73000028	EPIC® POWER LS1 D6 5+PE K KURZ 8,5-11 (5)	5+PE	Yes	0.335 in	0.433 in	5	5	1	0.5 mm ²	2.5 mm ²	0		
73000029	EPIC® POWER LS1 D6 5+PE K KURZ 10,5-15,5	5+PE	Yes	0.413 in	0.61 in	5	5	1	0.5 mm ²	2.5 mm ²	0		
73000030	EPIC® POWER LS1 D6 5+PE KURZ 8,5-11 (20)	5+PE	No	0.335 in	0.433 in	20	5	1	0.5 mm ²	4 mm ²	0		
73000031	EPIC® POWER LS1 D6 5+PE KURZ 10,5-15,5 (2	5+PE	No	0.413 in	0.61 in	20	5	1	0.5 mm ²	4 mm ²	0		
76123100	EPIC® POWER LS1 D6 5+PE K KURZ 7,5-15,5 (5+PE	Yes	0.295 in	0.61 in	5	5	1	0.5 mm ²	2.5 mm ²	0		
76123610	EPIC® POWER LS1 D6 5+PE KURZ 7,5-15,5 (20	5+PE	No	0.295 in	0.61 in	20	5	1	0.5 mm ²	4 mm ²	0		

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76124100	EPIC® POWER LS1 D6 3+PE+4 K KURZ 7,5-15,5	3+PE+4	Yes	0.295 in	0.61 in	5	3	1	0.5 mm ²	2.5 mm ²	4	0.14 mm ²	1 mm ²

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