Valid from: 18.09.2020



Description

- Circular connectors for servomotors and power supply
- High power at smallest installation space
- Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

General Characteristics



VersionFront wall mounting for male contactsPin configuration3+PE+4Rated voltage (V)630 V (2mm Contacts)Rated impulse voltage6 kV (2mm Contacts)Rated impulse voltage6 kV (2mm Contacts)Rated current (A)25A/3+PE+4 (2mm Contacts)Contact resistance< 4 mOhmContacts includedYesContactsGold plated brassNumber of contacts3+PE+4Termination methodsCrimp termination: 0.5 - 2.5 mm² (2 mm contacts)Cable clamping rangeØ2,7mm(4x)ProtectionIP 68Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesPAHousingNickel-plated zinc die-casting, nickel-plated brassInsertPASealFPMContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactBrassContactCarassContactCarassContactCarastContactBrass<	Series	POWER LS 1
Rated voltage (V)630 V (2mm Contacts) 250 V (1mm Contacts)Rated impulse voltage6 kV (2mm Contacts) 4 kV (1mm Contacts)Rated current (A)25A/3+PE+4 (2mm Contacts) 7A (1mm Contacts)Contact resistance< 4 mOhm	Version	Front wall mounting for male contacts
Rated impulse voltage250 V (1mm Contacts) 6 kV (2mm Contacts) 4 kV (1mm Contacts)Rated current (A)25A/3+PE+4 (2mm Contacts)Contact resistance< 4 mOhm		
Rated impulse voltage6 kV (2mm Contacts) 4 kV (1mm Contacts)Rated current (A)25A/3+PE+4 (2mm Contacts) 7A (1mm Contacts)Contact resistance< 4 mOhm	Rated voltage (V)	
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Rated current (A)25A/3+PE+4 (2mm Contacts) 7A (1mm Contacts)Contact resistance< 4 mOhm	Rated impulse voltage	
Contact resistanceZA (1mm Contacts)Contact resistance< 4 mOhm		
Contact resistance< 4 mOhmContacts includedYesContactsGold plated brassNumber of contacts3+PE+4Termination methodsCrimp termination: 0.5 - 2.5 mm² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)Cable clamping rangeØ2,7mm(4x)ProtectionIP 68Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product Variation76084510PU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesPASealFPMContactBrassContactBrassContactAu	Rated current (A)	
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Termination methodsCrimp termination: 0.5 - 2.5 mm² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)Cable clamping rangeØ2,7mm(4x)ProtectionIP 68Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product Variation76084510PU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesNickel-plated zinc die-casting, nickel-plated brass PASealFPMContactBrassContact surfaceAu	Contacts	Gold plated brass
Termination methodsCrimp termination: 0.14 - 1.0 mm² (1 mm contacts)Cable clamping rangeØ2,7mm(4x)ProtectionIP 68Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesPAHousing InsertNickel-plated zinc die-casting, nickel-plated brass PASealFPMContactBrassContact surfaceAu	Number of contacts	3+PE+4
Termination methodsCrimp termination: 0.14 - 1.0 mm² (1 mm contacts)Cable clamping rangeØ2,7mm(4x)ProtectionIP 68Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesPAHousing InsertNickel-plated zinc die-casting, nickel-plated brass PASealFPMContactBrassContact surfaceAu		Crimp termination: 0.5 - 2.5 mm ² (2 mm contacts)
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Cycle of mechanical operation500Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separately76084510PU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesNickel-plated zinc die-casting, nickel-plated brassHousing InsertNickel-plated zinc die-casting, nickel-plated brassSealFPMContactBrassContact surfaceAuApprovals	Cable clamping range	Ø2,7mm(4x)
Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separately76084510PU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesNickel-plated zinc die-casting, nickel-plated brass PA Seal Contact Contact surfaceApprovalsAu	Protection	IP 68
Temperature range-25°C to +125°CDegree of soiling3Product VariationPU =20 pieces: the contacts must be ordered separately76084510PU =20 pieces: the contacts must be ordered separatelyMaterials and SurfacesNickel-plated zinc die-casting, nickel-plated brass PA Seal Contact Contact surfaceApprovalsAu	Cycle of mechanical operation	500
Product Variation76084510PU = 20 pieces: the contacts must be ordered separatelyMaterials and SurfacesHousing InsertNickel-plated zinc die-casting, nickel-plated brass PA Seal Contact Contact surfaceFPM Contact surfaceFPM AuApprovals	Temperature range	-25°C to +125°C
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Insert PA Seal FPM Contact Brass Contact surface Au Approvals	Materials and Surfaces	
Insert PA Seal FPM Contact Brass Contact surface Au Approvals	Housing	Nickel-plated zinc die-casting, nickel-plated brass
Contact Brass Contact surface Au Approvals	-	
Contact surface Au Approvals	Seal	FPM
Approvals	Contact	Brass
	Contact surface	Au
VDE-Approval VDE-REG -Nr B025	Approvals	
	VDE-Approval, VDE-REGNr.	B025
UL-File-Number E249137		E249137

Standard

Safety standard

IEC 61984, UL 2238, CSA 22.2 182.3



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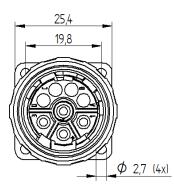
DATA SHEET

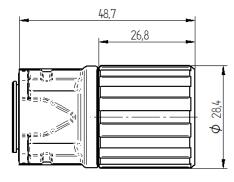


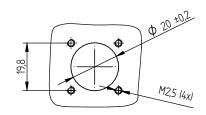
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EPIC® POWER LS1 A6 3+PE+4

Technical Drawings









Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



Maximum vibration protection



Mechanical resistance



Assembly time



Space requirement



Robust

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DATA SHEET

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EPIC® POWER LS1 A6 3+PE+4





Waterproof



Wind Energy



Variety of approval certifications

Application range

Plant engineering Servo drives and servo assemblies

Remark

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

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