

75009694	<b>DATA SHEET</b>	
Valid from: 18.09.2020	<b>EPIC® POWER LS1 KIT D6 3+PE+4</b>	

## 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

Series	POWER LS 1
Version	Cable connector for female contacts
Pin configuration	3+PE+4
Rated voltage (V)	630 V (2mm Contacts) 250 V (1mm Contacts)
Rated impulse voltage	6 kV (2mm Contacts) 4 kV (1mm Contacts)
Rated current (A)	25 A (2mm Contacts) 7 A (1mm Contacts)
Contact resistance	< 4 mOhm
Contacts	Gold plated brass
Number of contacts	3+PE+4
Termination methods	Crimp termination: 0.5 – 2.5 mm <sup>2</sup> (2 mm contacts) Crimp termination: 0.14 – 1.0 mm <sup>2</sup> (1 mm contacts)
Protection	IP 68 (latched)
Cycle of mechanical operation	500
Temperature range	-25°C to +125°C
Degree of soiling	3

## Materials and Surfaces

Housing	Nickel-plated zinc die-casting, nickel-plated brass
Insert	PA
Seal	FPM
Contact	Brass
Contact surface	Gold plated

## Approvals

VDE-Approval, VDE-REG.-Nr.	B025
UL-File-Number	E249137

## Standard

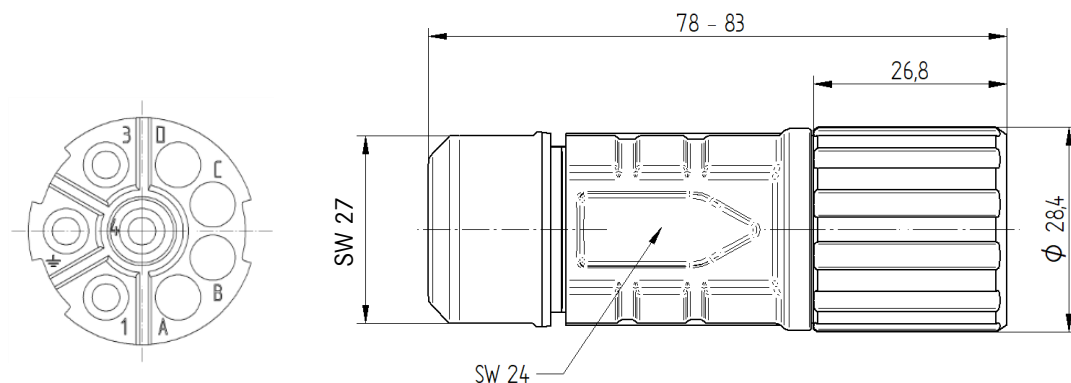
Safety Standard	IEC 61984UL 2238; CSA 22.2 182.3
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## Technical Drawing



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



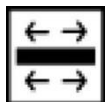
Maximum vibration protection



Mechanical resistance



Assembly time



Optimum strain relief



Space requirement

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75009694	<b>DATA SHEET</b>	
Valid from: 18.09.2020	<b>EPIC® POWER LS1 KIT D6 3+PE+4</b>	



Robust



Integrated SKINTOP® cable gland



Waterproof



Wind Energy



Variety of approval certifications

#### Application range

Plant engineering

Servo drives and servo assemblies

#### Remark

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75009695	<b>DATA SHEET</b>	
Valid from: 18.09.2020	<b>EPIC® POWER LS1 KIT A1 3+PE+4</b>	

## 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

Series	POWER LS 1
Version	Front wall mounting for male contacts
Pin configuration	3+PE+4
Rated voltage (V)	630 V (2mm Contacts) 250 V (1mm Kontakte)
Rated impulse voltage	6 kV (2mm Contacts) 4 kV (1mm Kontakte)
Rated current (A)	26 A/3+PE+4 (2mm Contacts) 7 A (1mm Kontakte)
Contact resistance	< 4 mOhm
Contacts included	Yes
Contacts	Gold plated brass
Number of contacts	3+PE+4
Termination methods	Crimp termination: 0.5 - 2.5 mm <sup>2</sup> (2 mm contacts) Crimp termination: 0.14 - 1.0 mm <sup>2</sup> (1 mm contacts)
Cable clamping range	Ø 2,7 mm (4x)
Protection	IP 68 (latched and locked)
Cycle of mechanical operation	500
Temperature range	-25°C to +125°C
Degree of soiling	3

## Materials and Surfaces

Housing	Nickel-plated zinc die-casting, nickel-plated brass
Insert	PA
Seal	FPM

## Approvals

VDE-Approval, VDE-REG.-Nr.	B025
UL-File-Number	E249137

## Standard

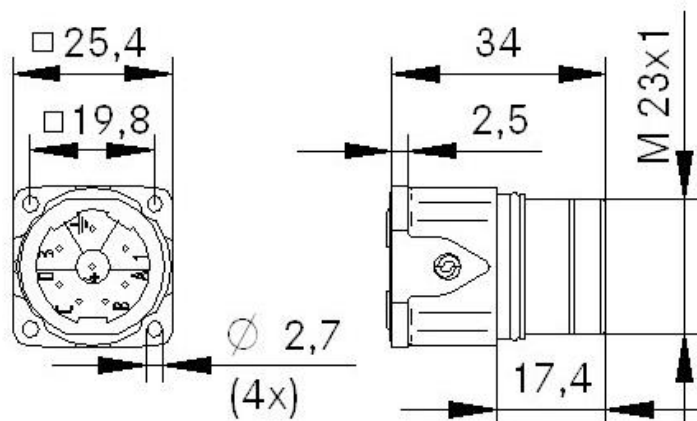
Safety Standard	IEC 61984; UL 2238; CSA 22.2 182.3
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## Technical Drawings



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



Maximum vibration protection



Mechanical resistance



Assembly time

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Space requirement



Robust



Waterproof



Wind Energy



Variety of approval certifications

### Application range

Plant engineering

Servo drives and servo assemblies

### Remark

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25009696	<b>DATA SHEET</b>	
Valid from: 18.09.2020	<b>EPIC® POWER LS1 KIT A3 3+PE+4</b>	

## 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

Series	POWER LS 1
Version	Angled, rotatable for male contacts
Pin configuration	3+PE+4
Rated voltage (V)	630 V (2 mm Contacts) 250 V (1 mm Contacts)
Rated impulse voltage	6 kV (2 mm Contacts) 4 kV (1 mm Contacts)
Rated current (A)	25 A (2 mm Contacts) 7 A (1 mm Contacts)
Contact resistance	< 4 mOhm
Contacts included	Yes
Contacts	Gold plated brass
Number of contacts	3+PE+4
Termination methods	Crimp termination: 0.5 - 2.5 mm <sup>2</sup> (2 mm contacts) Crimp termination: 0.14 - 1.0 mm <sup>2</sup> (1 mm contacts)
Cable clamping range	Ø 2,7 mm (4x)
Protection	IP 65 (latched and locked)
Cycle of mechanical operation	500
Temperature range	-25°C to +125°C
Degree of soiling	3

## Materials and Surfaces

Housing	Blue chromated (CrVI free) zinc die-casting
Insert	PA
Seal	FPM

## Approvals

UL-File-Number	E249137
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## Standard

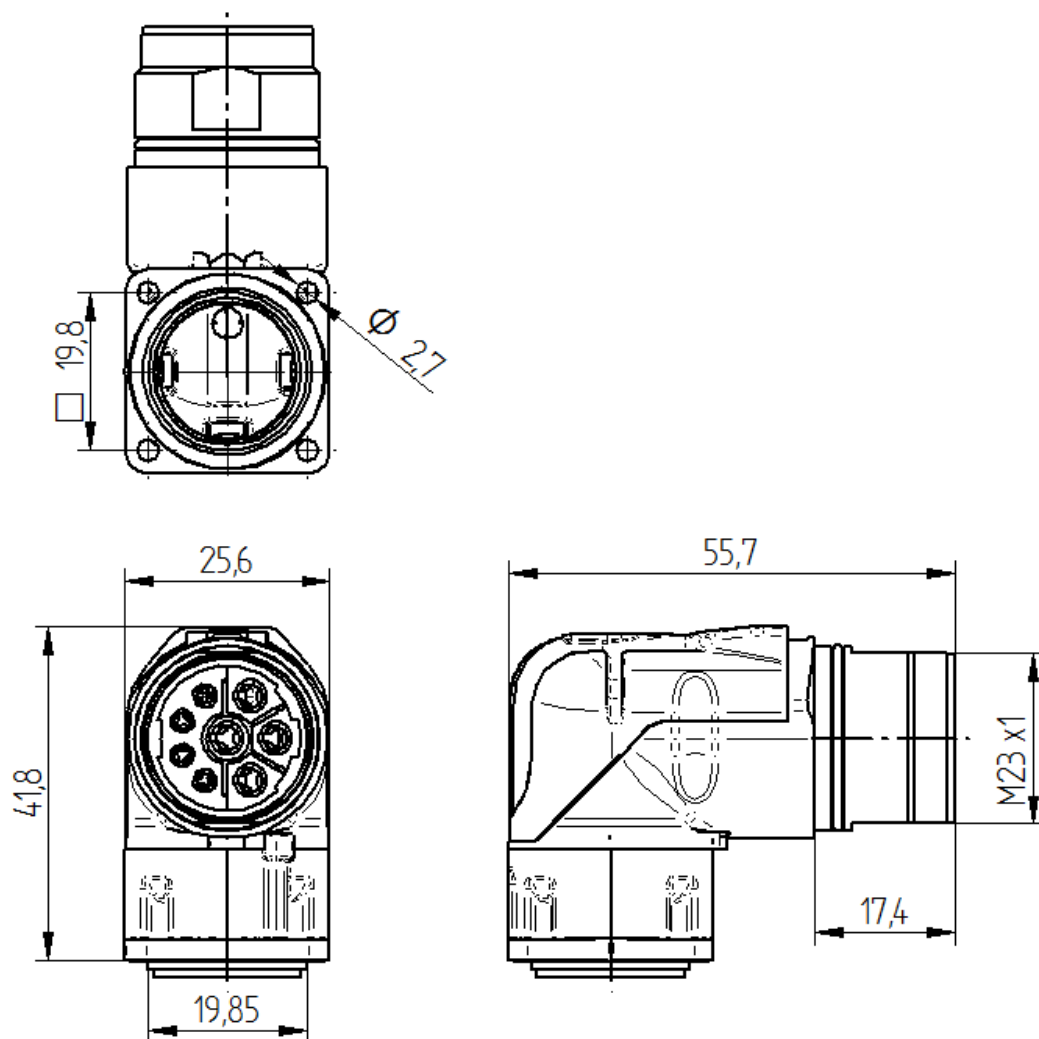
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## Technical Drawings



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



Maximum vibration protection



Mechanical resistance

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Assembly time



Space requirement



Robust



Waterproof



Wind Energy



Variety of approval certifications

#### Info

Rotateable with clearly defined adjustment positions

#### Application range

Plant engineering

Servo drives and servo assemblies

#### Remark

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75009697	<b>DATA SHEET</b>	
Valid from: 18.09.2020	<b>EPIC® POWER LS1 KIT F6 3+PE+4</b>	

## 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

Series	POWER LS 1
Version	Cable coupler for male contacts
Pin configuration	3+PE+4
Rated voltage (V)	630 V (2mm Contacts) 250 V (1mm Contacts)
Rated impulse voltage	6 kV (2mm Contacts) 4 kV (1mm Contacts)
Rated current (A)	25 A/3+PE+4 (2mm Contacts) 7 A (1mm Contacts)
Contact resistance	< 4 mOhm
Contacts	Gold plated brass
Number of contacts	3+PE+4
Termination methods	Crimp termination: 0.5 – 2,5 mm <sup>2</sup> (2 mm contacts) Crimp termination: 0.14 - 1.0 mm <sup>2</sup> (1 mm contacts)
Protection	IP 68 (latched and locked)
Cycle of mechanical operation	500
Temperature range	-25°C to +125°C
Degree of soiling	3

## Materials and Surfaces

Housing	Nickel-plated zinc die-casting, nickel-plated brass
Insert	PA
Seal	FPM

## Approvals

VDE-Approval, VDE-REG.-Nr.	B025
UL-File-Number	E249137

## Standard

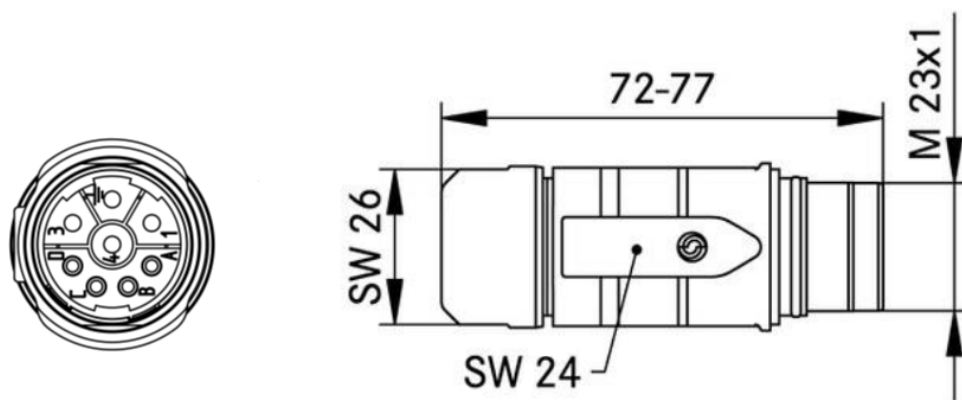
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## Technical Drawing



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



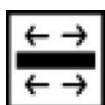
Maximum vibration protection



Mechanical resistance



Assembly time



Optimum strain relief

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Space requirement



Robust



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Variety of approval certifications

#### Application range

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