


75009706	DATA SHEET	
Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT D6 17 PIN SOLDER TERMINATION	

Description

- Circular connector for servo cables and encoders
- Low-resistance screen contact
- Optimum EMC protection
- Use of high quality materials for increased reliability
- Complete connector with housing and insulation body, equipped with suitable solder contacts



Components of the combination

Article number of the combination	75009706
Housing	SIGNAL M23 D6 (44420037)
Insert	17 Pin (P-Part) with solder termination (73018000)

General characteristics

Series	SIGNAL M23
Type	D6, Cable connector
Version	Female
Connection type	Solder termination
Coding	Black (N)
Pin-arrangement	17 (P-Part)
Contact diameter	1 mm
Termination cross section	Up to 1 mm ²
Clamping range	7,0 mm – 13,5 mm
Degree of protection	IP 68 (10 h / 1 m) (latched)
Cycles of mechanical operation	100
Temperature range	-25 °C to +125 °C


Materials and surfaces

Housing, base material	Zinc die-cast
Housing, surface	Nickel
Sealing	FPM/FKM
Insert	PA
Contact, base material	Brass
Contact, surface	Gold

Electrical characteristics

Rated voltage	50 V
Rated impulse voltage	0,8 kV
Rated current	7 A
Contact resistance	< 4 mOhm
Verschmutzungsgrad	3

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Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT D6 17 PIN SOLDER TERMINATION	

Approvals

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

C024
E249137



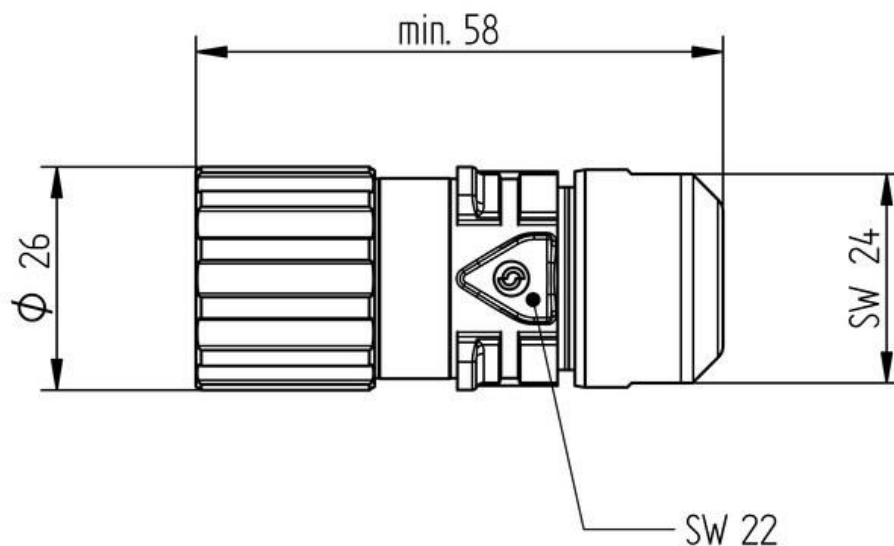
Standards

Safety Standard

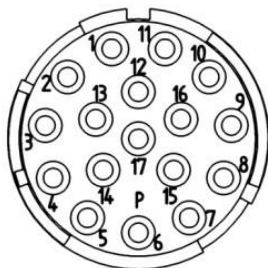
IEC 61984; UL 1977

Technical Drawings

Housing




Insert



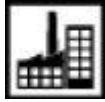
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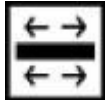
75009706	DATA SHEET	
Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT D6 17 PIN SOLDER TERMINATION	



Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP[®] cable gland



Wind energy



Variety of approval certifications

Info

Robust metal connector with integrated EMC cable gland


Application range

Plant engineering
 Servo drives and Servo assemblies
 Measurement and control technology
 Apparatus construction

Remark

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

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75009707	DATA SHEET	
Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT A1 17 PIN SOLDER TERMINATION	

Description

- Circular connector for servo cables and encoders
- Low-resistance screen contact
- Optimum EMC protection
- Use of high quality materials for increased reliability
- Complete connector with housing and insulation body, equipped with suitable solder contacts



Components of the combination

Article number of the combination	75009707
Housing	SIGNAL M23 A1 (72004000)
Insert	17 Pin (E-Part) with solder termination (73028500)

General characteristics

Series	SIGNAL M23
Type	A1, Panel mounted
Version	Male
Connection type	Solder termination
Coding	Black (N)
Pin-arrangement	17 (E-Part)
Contact diameter	1 mm
Termination cross section	Up to 1 mm ²
Clamping range	7,0 mm - 13,5 mm
Degree of protection	IP 68 (10 h / 1 m) (latched)
Cycles of mechanical operation	100
Temperature range	-25 °C to +125 °C

Materials and surfaces

Housing, base material	Zinc die-cast
Housing, surface	Nickel
Sealing	FPM/FKM
Insert	PA
Contact, base material	Brass
Contact, surface	Gold

Electrical characteristics

Rated voltage	50 V
Rated impulse voltage	0,8 kV
Rated current	7 A
Contact resistance	< 4 mOhm
Verschmutzungsgrad	3

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75009707	DATA SHEET	
Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT A1 17 PIN SOLDER TERMINATION	

Approvals

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

C024
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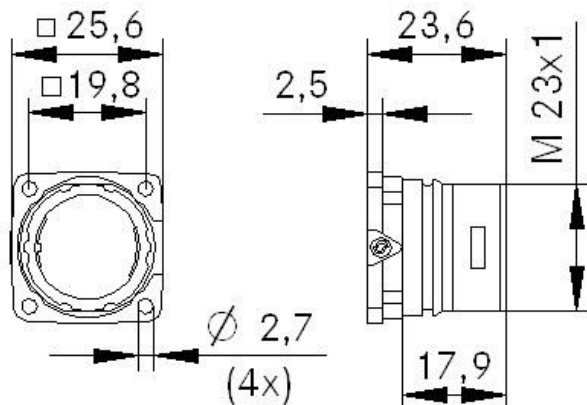
Standards

Safety Standard

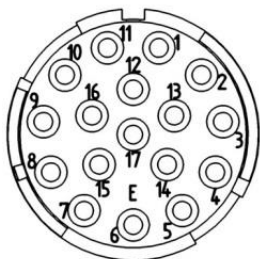
IEC 61984; UL 1977

Technical Drawings


Housing



Insert

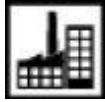


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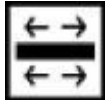
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Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT A1 17 PIN SOLDER TERMINATION	



Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP[®] cable gland



Wind energy



Variety of approval certifications

Info

Robust metal connector with integrated EMC cable gland


Application range

Plant engineering
 Servo drives and Servo assemblies
 Measurement and control technology
 Apparatus construction

Remark

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25009708	DATA SHEET	
Valid from: 28.03.2019	EPIC[®] SIGNAL M23 KIT A3 17 PIN SOLDER TERMINATION	

Description

- Circular connector for servo cables and encoders
- Low-resistance screen contact
- Optimum EMC protection
- Use of high quality materials for increased reliability
- Complete connector with housing and insulation body, equipped with suitable solder contacts



Components of the combination

Article number of the combination	25009708
Housing	SIGNAL M23 A3 (24420055)
Insert	17 Pin (E-Part) with solder termination (73028500)

General characteristics

Series	SIGNAL M23
Type	A3, Angled panel mounted
Version	Male
Connection type	Solder termination
Coding	Black (N)
Pin-arrangement	17 (E-Part)
Contact diameter	1 mm
Termination cross section	Up to 1 mm ²
Clamping range	7,0 mm – 13,5 mm
Degree of protection	IP 65 (latched)
Cycles of mechanical operation	100
Temperature range	-25 °C to +125 °C


Materials and surfaces

Housing, base material	Zinc die-cast
Housing, surface	Blue chromated (CrVI free)
Sealing	FPM/FKM
Insert	PA
Contact, base material	Brass
Contact, surface	Gold

Electrical characteristics

Rated voltage	50 V
Rated impulse voltage	0,8 kV
Rated current	7 A
Contact resistance	< 4 mOhm
Verschmutzungsgrad	3

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25009708	DATA SHEET	
Valid from: 28.03.2019	EPIC[®] SIGNAL M23 KIT A3 17 PIN SOLDER TERMINATION	

Approvals

UL File Number

E249137



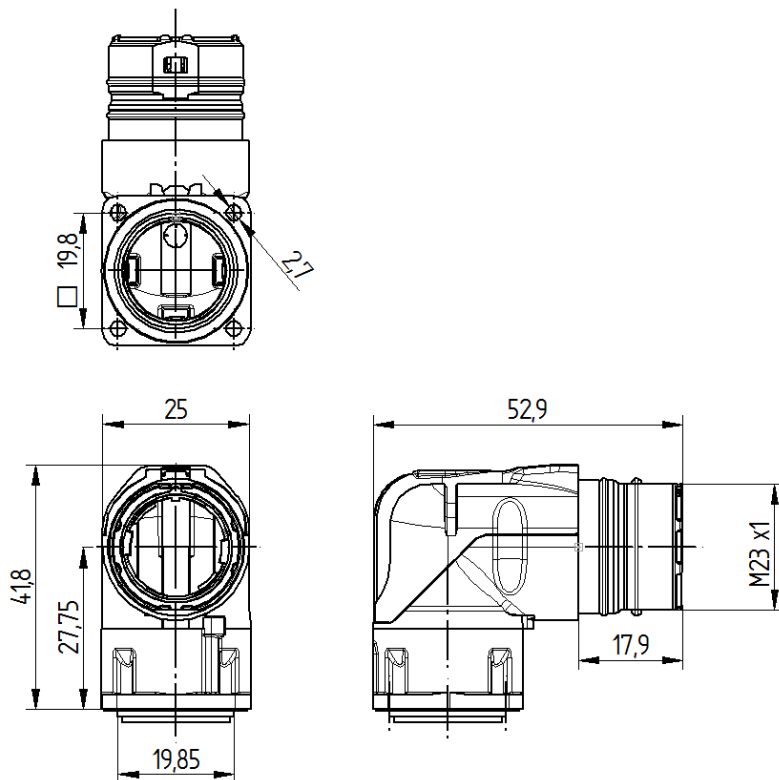
Standards

Safety Standard

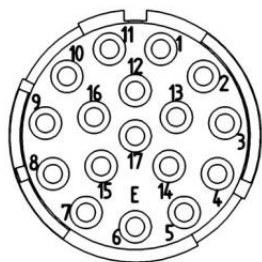
IEC 61984; UL 1977; UL 2238; CSA 22.2 182.3

Technical Drawings


Housing



Insert

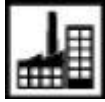


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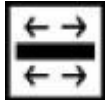
25009708	DATA SHEET	
Valid from: 28.03.2019	EPIC[®] SIGNAL M23 KIT A3 17 PIN SOLDER TERMINATION	



Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP[®] cable gland



Wind energy



Variety of approval certifications

Info

Robust metal connector with integrated EMC cable gland


Application range

Plant engineering
 Servo drives and Servo assemblies
 Measurement and control technology
 Apparatus construction

Remark

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75009709	DATA SHEET	
Valid from: 11.05.2018	EPIC[®] SIGNAL M23 KIT F6 17 PIN SOLDER TERMINATION	

Description

- Circular connector for servo cables and encoders
- Low-resistance screen contact
- Optimum EMC protection
- Use of high quality materials for increased reliability
- Complete connector with housing and insulation body, equipped with suitable solder contacts



Components of the combination

Article number of the combination	75009709
Housing	SIGNAL M23 F6 (44420040)
Insert	17 Pin (E-Part) with solder termination (73028500)

General characteristics

Series	SIGNAL M23
Type	F6, Coupling connector
Version	Male
Connection type	Solder termination
Coding	Black (N)
Pin-arrangement	17 (E-Part)
Contact diameter	1 mm
Termination cross section	Up to 1 mm ²
Clamping range	7,0 mm – 13,5 mm
Degree of protection	IP 68 (10 h / 1 m) (latched)
Cycles of mechanical operation	100
Temperature range	-25 °C to +125 °C


Materials and surfaces

Housing, base material	Zinc die-cast
Housing, surface	Nickel
Sealing	FPM/FKM
Insert	PA
Contact, base material	Brass
Contact, surface	Gold

Electrical characteristics

Rated voltage	50 V
Rated impulse voltage	0,8 kV
Rated current	7 A
Contact resistance	< 4 mOhm
Verschmutzungsgrad	3

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Approvals

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UL File Number

C024
E249137



Standards

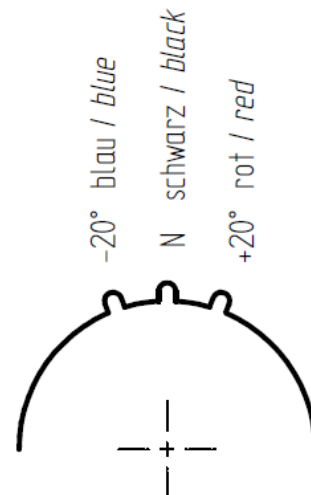
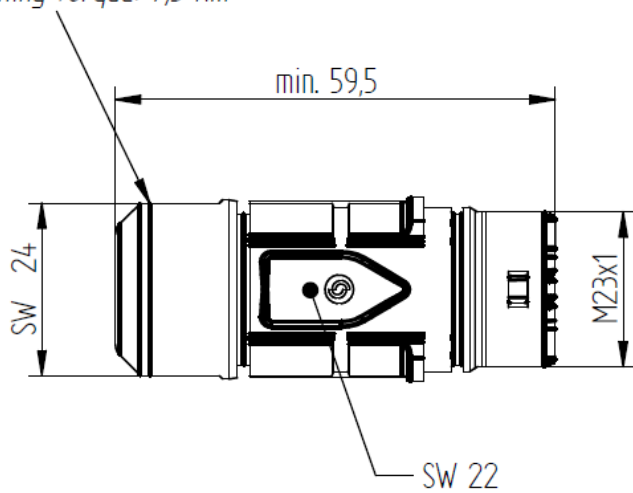
Safety Standard

IEC 61984; UL1977

Technical Drawings

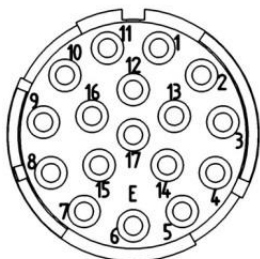
Housing

Anzugsdrehmoment: 7,5 Nm
tightening torque: 7,5 Nm




A1/F6
Ansicht steckseitig
view from mating side

Insert

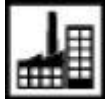


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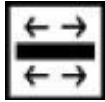
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Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP[®] cable gland



Wind energy



Variety of approval certifications

Info

Robust metal connector with integrated EMC cable gland

Application range

Plant engineering
 Servo drives and Servo assemblies
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 Apparatus construction

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