



Connectivity Solutions

Rewireable connector



Artikel-Nr.: 490026

T connector
M12 male 5pol.
2x M12 female



Artikel-Nr.: 490123

M8 male 3pol.
Quick connection



Artikel-Nr.: 490196

M12 female 4pol.
A coded
Spring terminal



Artikel-Nr.: 490028

M12 male 4pol.
A coded
Quick connection



Artikel-Nr.: 490126

M8 female 4pol.
Quick connection



Artikel-Nr.: 490200

M12 male 5pol.
A coded, shielded
Spring terminal



Artikel-Nr.: 490029

M12 female 4pol.
A coded
Quick connection



Artikel-Nr.: 490191

M12 male 5pol.
A coded
Spring terminal



Artikel-Nr.: 490201

M12 female 5pol.
A coded, shielded
Spring terminal



Artikel-Nr.: 490037

M8 female 3pol.
Screw terminal



Artikel-Nr.: 490193

M12 female 5pol.
A coded
Spring terminal



Artikel-Nr.: 490202

M12 male 5pol.
A coded, shielded
Spring terminal



Artikel-Nr.: 490057

M8 male 3pol.
Screw terminal



Artikel-Nr.: 490194

M12 male 4pol.
A coded
Spring terminal



Artikel-Nr.: 490203

M12 female 5pol.
A coded, shielded
Spring terminal



Identification	Type	AST M 12/2×M 12
	Part-No.	490026
Description		
	T piece	
	Male M12 to 2× female M12, 5pin PIN 2+4 bridged + PE	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Form male 1	M 12 male M 12 female M 12 female	
Rated insulation voltage	60 V	
Test voltage	1500 V	
Degree of polution	3	

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Part-No. 490026

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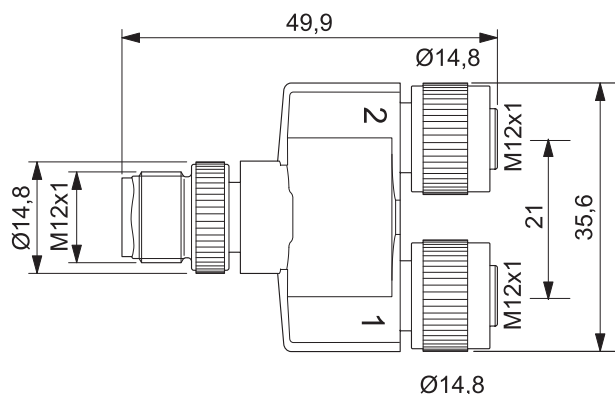


SYSTEMATIC TECHNOLOGY

Technical data sheet • Actuator sensor interface

Insulation resistance	> 10000 MΩ
Contact resistance	< 5 mΩ
Flamability according to UL 94	HB
Housing material	TPU
Color of the housing	black
Contact material	CuZn, gold-plated
Thread material	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Mounting	Breakaway torque 0.4 Nm Breakaway torque 0.2 Nm Breakaway torque 0.2 Nm
Operation temperature range	-25 °C ... +90 °C
Storage temperature range	-25 °C ... +90 °C
Temperature range connector	-25 °C ... +90 °C
Mechanical service life	>100 insertion cycles
Weight	0.029 kg/piece
Approvals	cULus (E224249)
PU	1 piece

Dimensions



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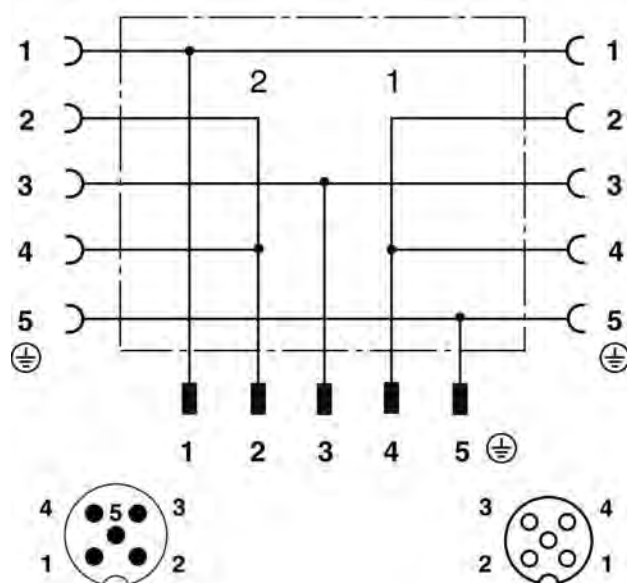
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PIN assignment



Logo



Accessories

Accessories	Part-No.	Type	PU
Torque setting tool M 8	490090	DM-SET M8	1
Torque setting tool M 12	490091	DM-SET M12	1

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SYSTEMATIC TECHNOLOGY



Identification	Type	STGK-M12 4POL.SNK
	Part-No.	490028
Description		
	Field wireable connector, M12 straight	
	Male / female - A coded	
	Fast connection method, IDC method of termination	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	250 V	
Rated current	4 A	
Pole number	4	
Coding	A	
General		
Form male 1	M 12 male straight	
Rated insulation voltage	300 V	
Test voltage	2500 V	
Degree of polution	3	
Insulation resistance	> 1000 MΩ	
Contact resistance	< 5 mΩ	

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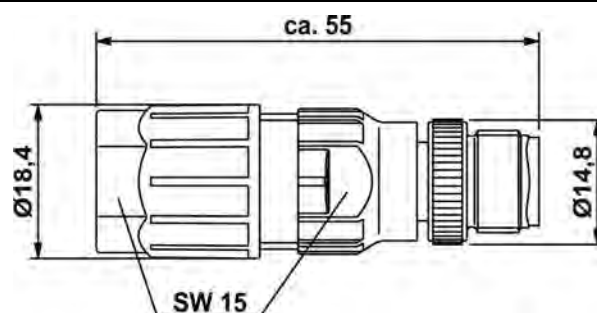


SYSTEMATIC TECHNOLOGY

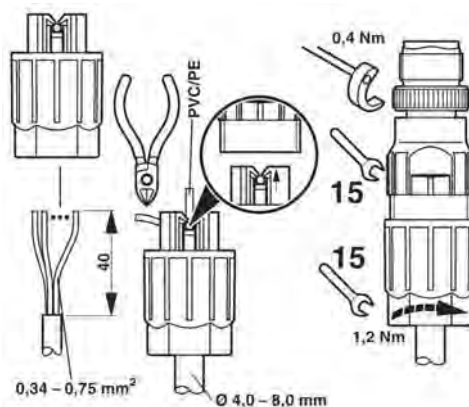
Technical data sheet • Actuator sensor interface

Flamability according to UL 94	V0
Protection class	IP67
Housing material	PBT
Color of the housing	black
Contact material	CuZn, gold-plated
Thread material	CuZn nickel-plate
Mounting	Breakaway torque 0.4 Nm
Cable diameter	4 – 7.5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-25 °C ... +80 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	0.75 mm ²
Weight	0.030 kg/piece
Connection device	Compliant terminal
Approvals	cULus (E224249)
PU	1 piece

Dimensions



Mounting diagram



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Technical data sheet • Actuator sensor interface

Pin layout



Logo



Accessories

Accessories	Part-No.	Type	Jacket material
matching cables	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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SYSTEMATIC TECHNOLOGY



Identification	Type	KUGK-M12 4POL. SNK
	Part-No.	490029
Description		
	Field wireable connector, M12 straight	
	Male / female - A coded	
	Fast connection method, IDC method of termination	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	250 V	
Rated current	4 A	
Pole number	4	
Coding	A	
General		
Form male 1	M 12 female straight	
Rated insulation voltage	300 V	
Test voltage	2500 V	
Degree of polution	3	
Insulation resistance	> 1000 MΩ	
Contact resistance	< 5 mΩ	

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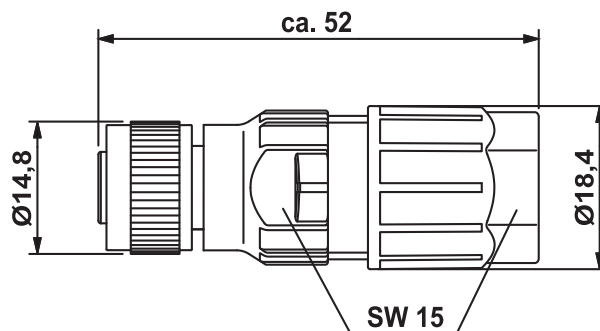


SYSTEMATIC TECHNOLOGY

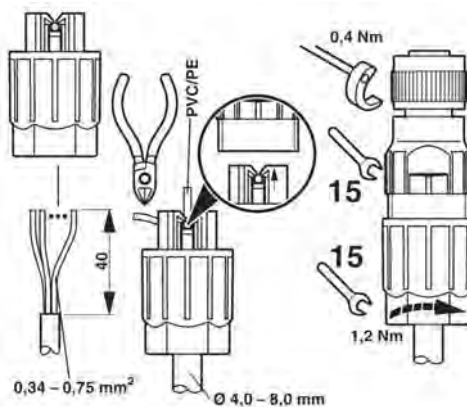
Technical data sheet • Actuator sensor interface

Flamability according to UL 94	V0
Protection class	IP67
Housing material	PBT
Color of the housing	black
Contact material	CuZn, gold-plated
Thread material	CuZn nickel-plate
Material sealing ring	NBR
Mounting	Breakaway torque 0.4 Nm
Cable diameter	4 – 7.5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-25 °C ... +80 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	0.75 mm ²
Weight	0.030 kg/piece
Connection device	Compliant terminal
Approvals	cULus (E224249)
PU	1 piece

Dimensions



Mounting diagram



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SYSTEMATIC TECHNOLOGY

Pin layout



Logo



Accessories

Accessories	Part-No.	Type	Jacket material
matching cables	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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SYSTEMATIC TECHNOLOGY



Identification	Type	KUGK-M8 3 POL. SK
	Part-No.	490037
Description	field wireable connector, M8 straight Male / female Screw terminal	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	3	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 10000 MΩ	
Contact resistance	< 3 mΩ	
Flamability according to UL 94	V0	
Protection class	IP67	
Housing material	PBT	
Color of the housing	black	

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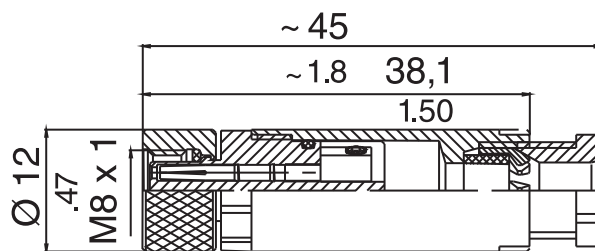


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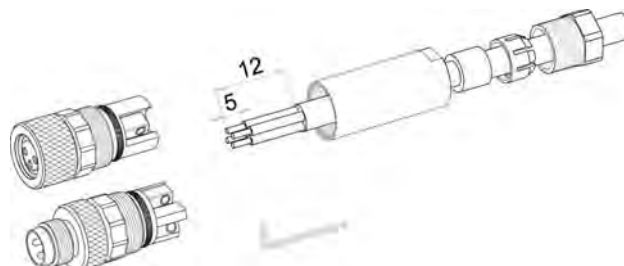
Technical data sheet • Actuator sensor interface

Contact material	CuZn, gold-plated
Thread material	CuZn nickel-plate
Material sealing ring	NBR
Mounting	Breakaway torque 0.2 Nm
Cable diameter	3.5 – 5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-25 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Weight	0.040 kg/piece
Connection device	Screw terminal 0.14 mm ² – 0.5 mm ²
Approvals	cULus (E224249)
PU	1 piece

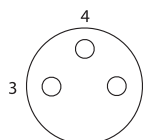
Dimensions



Mounting diagram



Pin layout



Logo



Accessories

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SYSTEMATIC TECHNOLOGY

Accessories	Part-No.	Type	Jacket material
matching cables	117240	SU TR AS PUR 3×0,25 UL	PUR
	117241	SU TR AS PUR 4×0,25 UL	PUR
	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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Identification	Type	STGK-M8 4 POL. SK
	Part-No.	490057
Description		
	field wireable connector, M8 straight	
	Male / female	
	Screw terminal	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	4	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 10000 MΩ	
Contact resistance	< 3 mΩ	
Flamability according to UL 94	V0	
Protection class	IP67	
Housing material	PBT	
Color of the housing	black	

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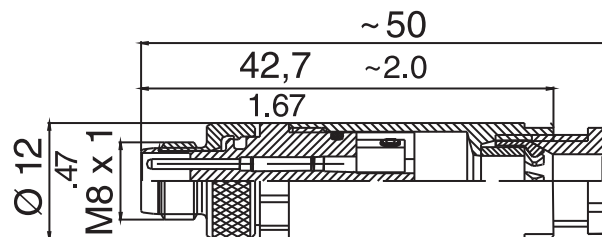


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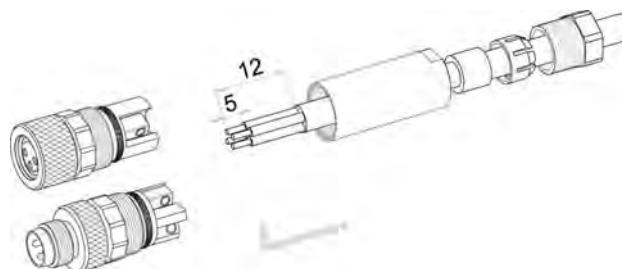
Technical data sheet • Actuator sensor interface

Contact material	CuZn, gold-plated
Thread material	CuZn nickel-plate
Mounting	Breakaway torque 0.2 Nm
Cable diameter	3.5 – 5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-25 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Weight	0.040 kg/piece
Connection device	Screw terminal 0.14 mm ² – 0.5 mm ²
Approvals	cULus (E224249)
PU	1 piece

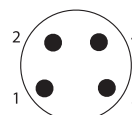
Dimensions



Mounting diagram



Pin layout



Logo



Accessories

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Accessories	Part-No.	Type	Jacket material
matching cables	117240	SU TR AS PUR 3×0,25 UL	PUR
	117241	SU TR AS PUR 4×0,25 UL	PUR
	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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SYSTEMATIC TECHNOLOGY



Identification	Type	STGK-M8 3 POL. SNK
	Part-No.	490123
Description		
	Field wireable connector, M8 straight	
	Male / female	
	IDC quick-connect technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Pole number	3	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP67	
Housing material	PA	
Color of the housing	black	
Contact material	CuSn, gold-plated	

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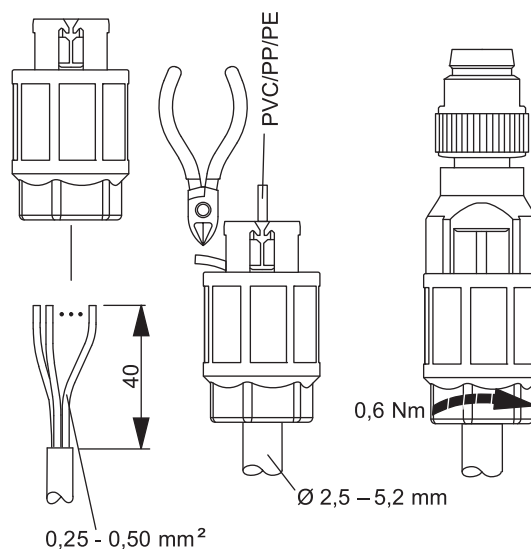


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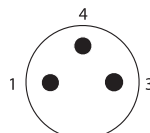
Technical data sheet • Actuator sensor interface

Thread material	CuZn nickel-plate
Mounting	Breakaway torque 0.2 Nm
Cable diameter	2.5 – 5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-40 °C ... +80 °C
Mechanical service life	10 × same cross-section
Weight	0.008 kg/piece
Connection device	IDC 0.25 mm ² – 0.5 mm ²
Approvals	cULus (E256031)
PU	1 piece

Mounting diagram



Pin layout



Logo



Accessories

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SYSTEMATIC TECHNOLOGY

Accessories	Part-No.	Type	Jacket material
matching cables	117240	SU TR AS PUR 3×0,25 UL	PUR
	117241	SU TR AS PUR 4×0,25 UL	PUR
	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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Identification	Type	KUGK-M8 4POL. SNK
	Part-No.	490126
Description		
	Field wireable connector, M8 straight	
	Male / female	
	IDC quick-connect technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	30 V	
Pole number	4	
General		
Test voltage	800 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP67	
Housing material	PA	
Color of the housing	black	
Contact material	CuSn, gold-plated	

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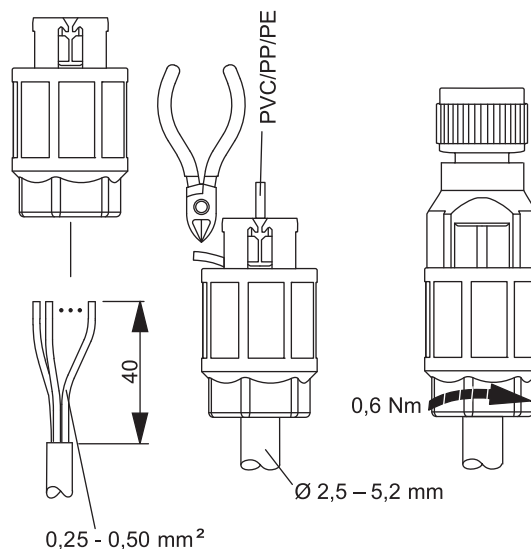


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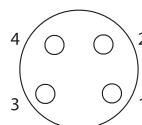
Technical data sheet • Actuator sensor interface

Thread material	CuZn nickel-plate
Material sealing ring	NBR
Mounting	Breakaway torque 0.2 Nm
Cable diameter	2.5 – 5 mm
Storage temperature range	-40 °C ... +90 °C
Temperature range connector	-40 °C ... +80 °C
Mechanical service life	10 × same cross-section
Weight	0.007 kg/piece
Connection device	IDC 0.25 mm ² – 0.5 mm ²
Approvals	cULus (E256031)
PU	1 piece

Mounting diagram



Pin layout



Logo



Accessories

21.03.2018 – Subject to technical modification

Part-No. 490126

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SYSTEMATIC TECHNOLOGY

Technical data sheet • Actuator sensor interface

Accessories	Part-No.	Type	Jacket material
matching cables	117240	SU TR AS PUR 3×0,25 UL	PUR
	117241	SU TR AS PUR 4×0,25 UL	PUR
	117243	SU TR AS PUR 3×0,34 UL	PUR
	117244	SU TR AS PUR 4×0,34 UL	PUR

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SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	STGK-M12 5-POL-A FK
	Part-No.	490191
Description		
	Field wireable connector, M12 straight	
	Male A-coded	
	Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	PA 6.6	

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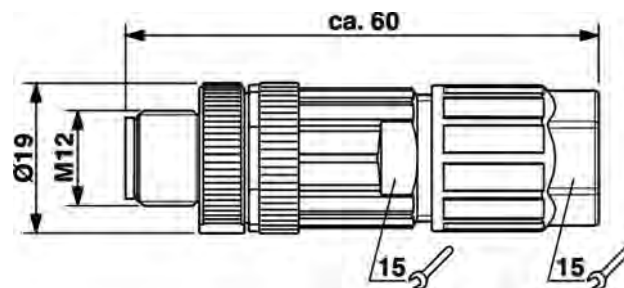
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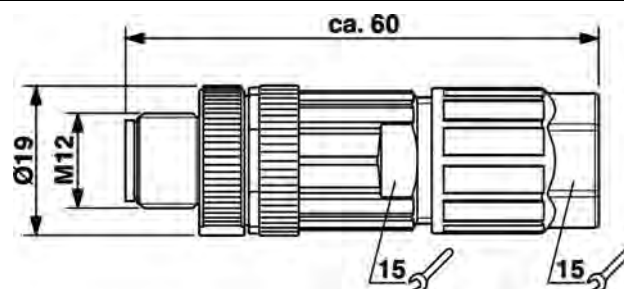
Technical data sheet · Actuator sensor interface

Color of the housing	black
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.4 Nm pressure nut: 1.5 Nm
Weight	0.026 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



Dimensions



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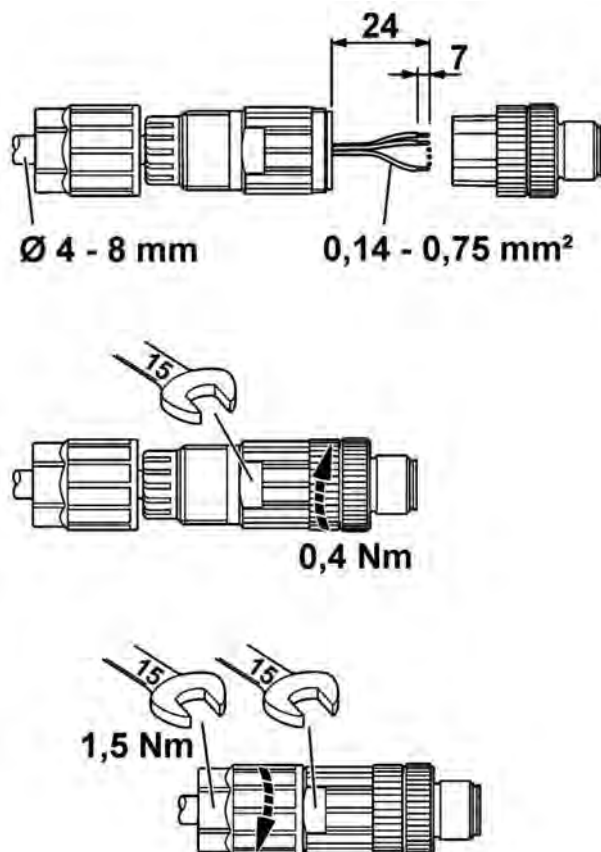
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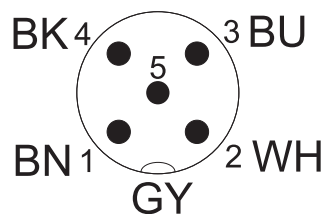
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	KUGK-M12 5-POL-A FK
	Part-No.	490193
Description		
	Field wireable connector, M12 straight	
	Female A-coded	
	Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	PA 6.6	

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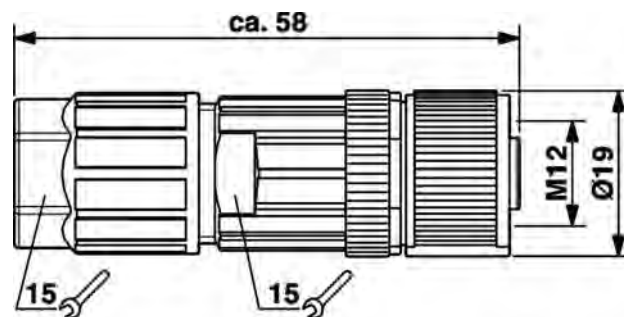
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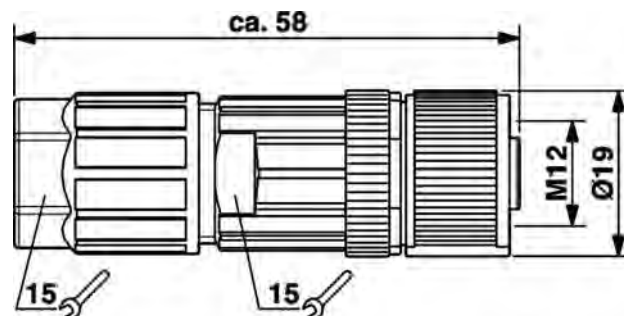
Technical data sheet · Actuator sensor interface

Color of the housing	black
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.4 Nm pressure nut: 1.5 Nm
Weight	0.026 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



Dimensions



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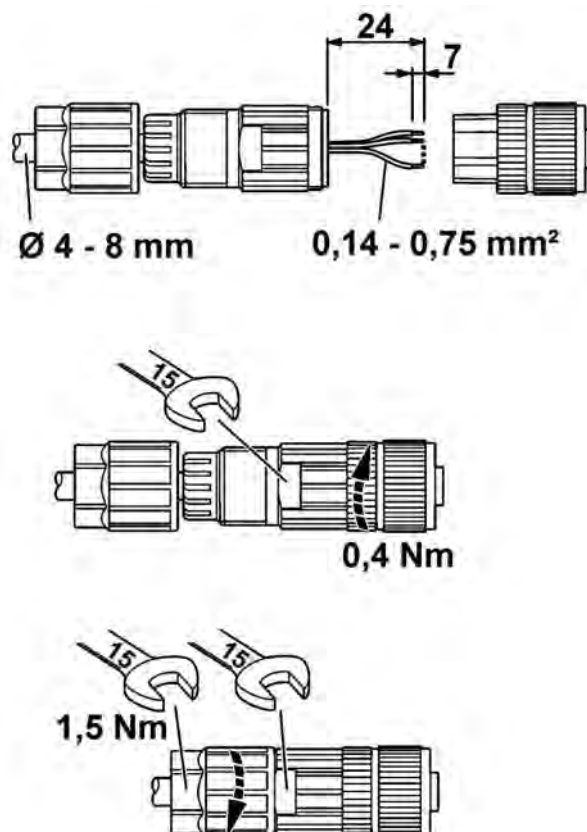
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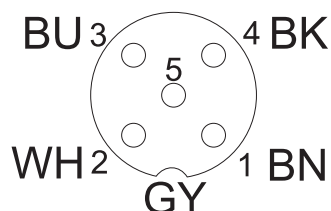
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	STWK-M12 4-POL-A FK
	Part-No.	490194
Description		
	Field wireable connector, M12 angled	
	Male A-coded	
	Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	250 V	
Rated current	4 A	
Pole number	4	
Coding	A	
General		
Test voltage	2500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	PA 6.6	

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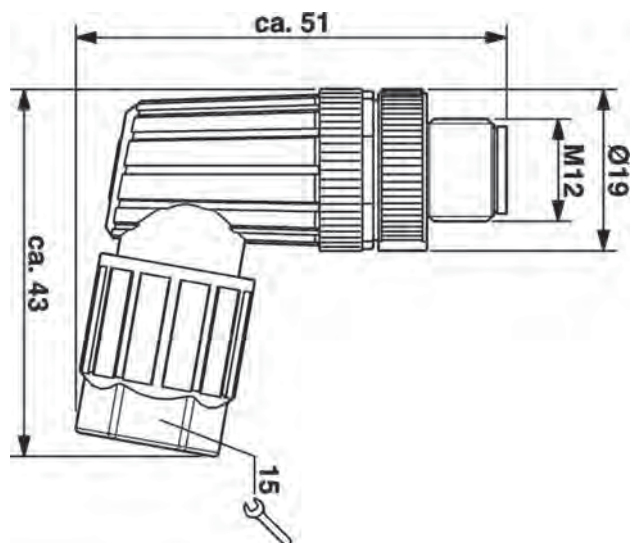
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Technical data sheet · Actuator sensor interface

Color of the housing	black
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Mounting	Coding can be rotated in the 45° increments
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.4 Nm pressure nut: 1.5 Nm
Weight	0.022 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



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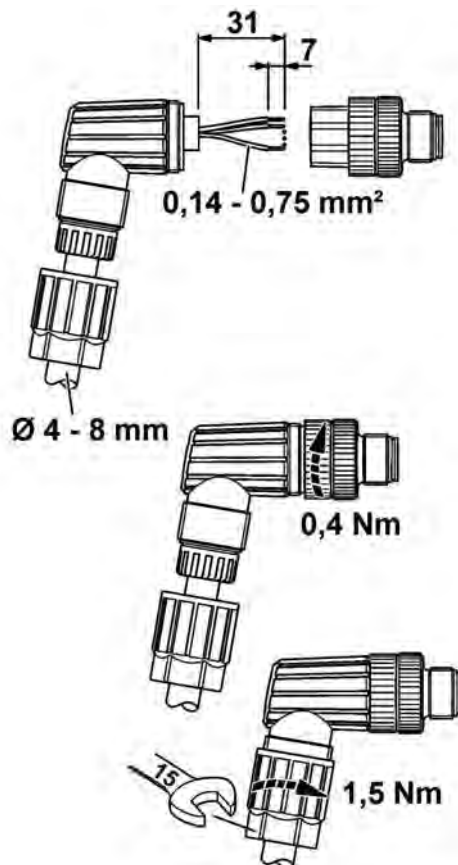
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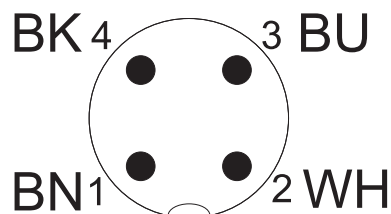
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	KUWK-M12 4-POL-A FK
	Part-No.	490196
Description	Field wireable connector, M12 angled Female A-coded Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	250 V	
Rated current	4 A	
Pole number	4	
Coding	A	
General		
Test voltage	2500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	PA 6.6	

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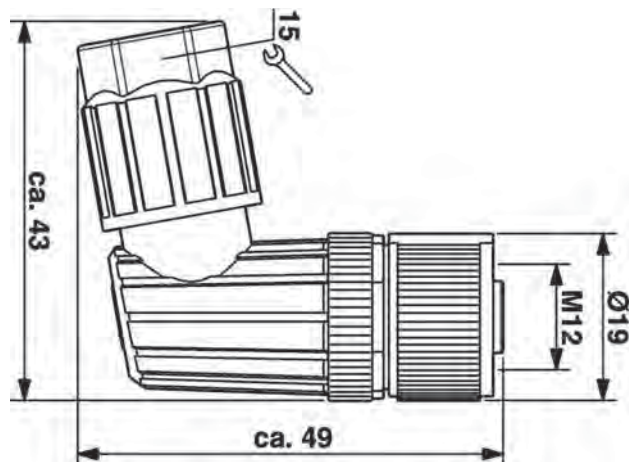


SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Color of the housing	black
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Mounting	Coding can be rotated in the 45° increments
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.4 Nm pressure nut: 1.5 Nm
Weight	0.022 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



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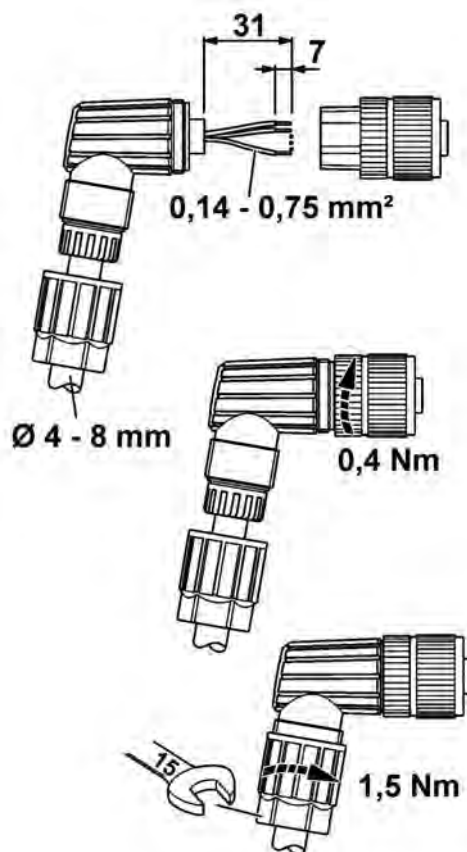
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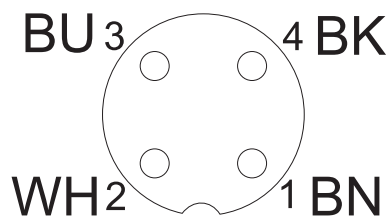
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	STGK5-M12 (C)-A FK
	Part-No.	490200
Description	Field wireable connector, M12 straight, shielded Male A-coded (CANopen/DeviceNet) Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	Zinc die-casting, nickel-plated	

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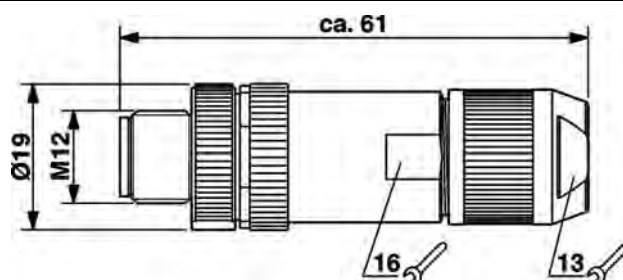
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Technical data sheet · Actuator sensor interface

Color of the housing	silver
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.8 Nm pressure nut: 3 Nm
Weight	0.037 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



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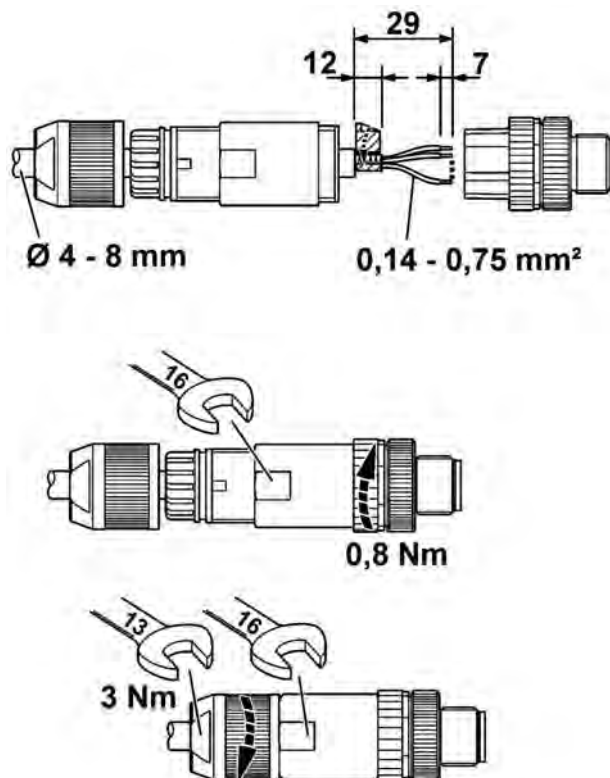
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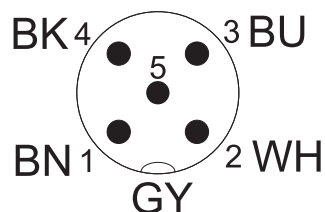
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	KUGK5-M12 (C)-A FK
	Part-No.	490201
Description		
Field wireable connector, M12 straight, shielded Female A-coded (CANopen/DeviceNet) Spring terminal: Push-in connection technology		
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	Zinc die-casting, nickel-plated	

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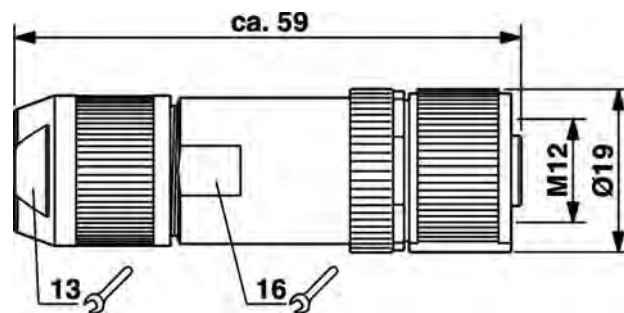


SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Color of the housing	silver
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.8 Nm pressure nut: 3 Nm
Weight	0.042 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

Dimensions



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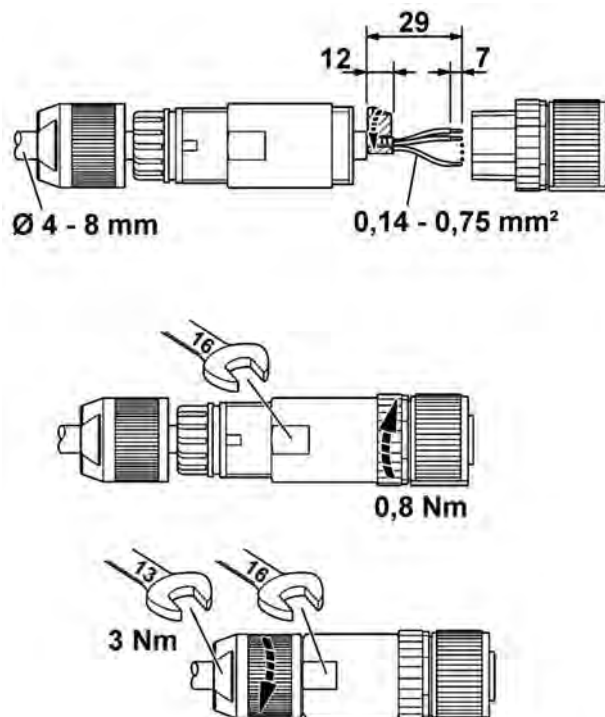
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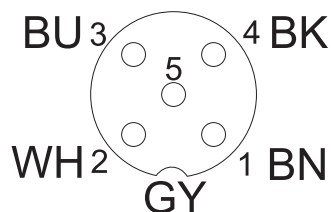
SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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Part-No. 490201

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Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	STWK5-M12 (C)-A FK
	Part-No.	490202
Description		
Field wireable connector, M12 angled, shielded		
Male A-coded (CANopen/DeviceNet)		
Spring terminal: Push-in connection technology		
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	Zinc die-casting, nickel-plated	

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Technical data sheet · Actuator sensor interface

Color of the housing	silver
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Mounting	Coding can be rotated in the 45° increments
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.8 Nm pressure nut: 3 Nm
Weight	0.039 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

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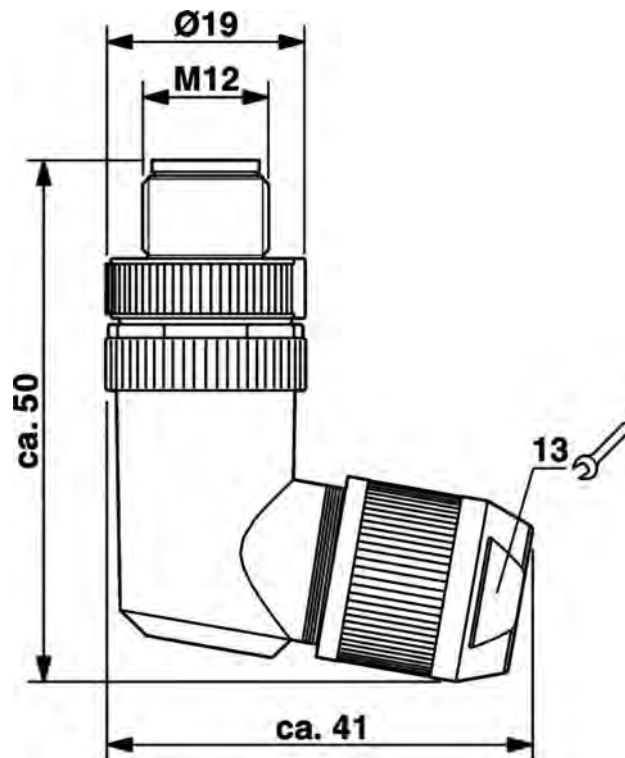
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SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Dimensions



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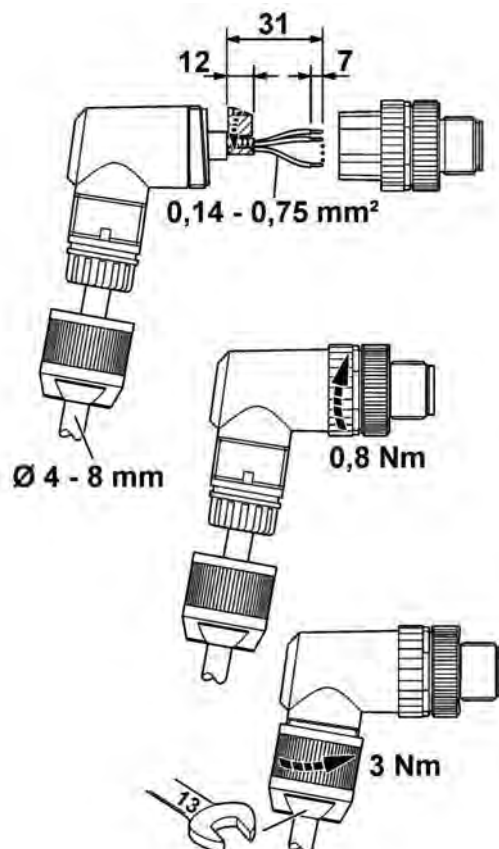
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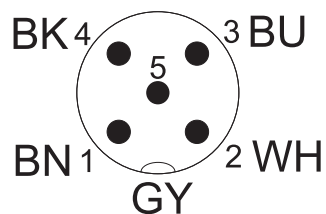
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Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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Technical data sheet · Actuator sensor interface

M12 - connector



Identification	Type	KUWK5-M12 (C)-A FK
	Part-No.	490203
Description		
	Field wireable connector, M12 angled, shielded Female A-coded (CANopen/DeviceNet) Spring terminal: Push-in connection technology	
Technical data		
Rated voltage U _N	AC/DC 24 V	
Rated voltage max.	60 V	
Rated current	4 A	
Pole number	5	
Coding	A	
General		
Test voltage	1500 V	
Degree of pollution	3	
Insulation resistance	> 100 MΩ	
Contact resistance	< 5 mΩ	
Flamability according to UL 94	V0	
Protection class	IP65, IP67 inserted and tightened	
Housing material	Zinc die-casting, nickel-plated	

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Technical data sheet · Actuator sensor interface

Color of the housing	silver
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Mounting	Coding can be rotated in the 45° increments
Cable diameter	4 – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0,08–0,5 mm ²
Cross-section AWG	without ferrule: AWG26–AWG18 with ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.8 Nm pressure nut: 3 Nm
Weight	0.044 kg/piece
Connection type	Spring terminal Push-In
Approvals	cULus (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock
PU	1 piece

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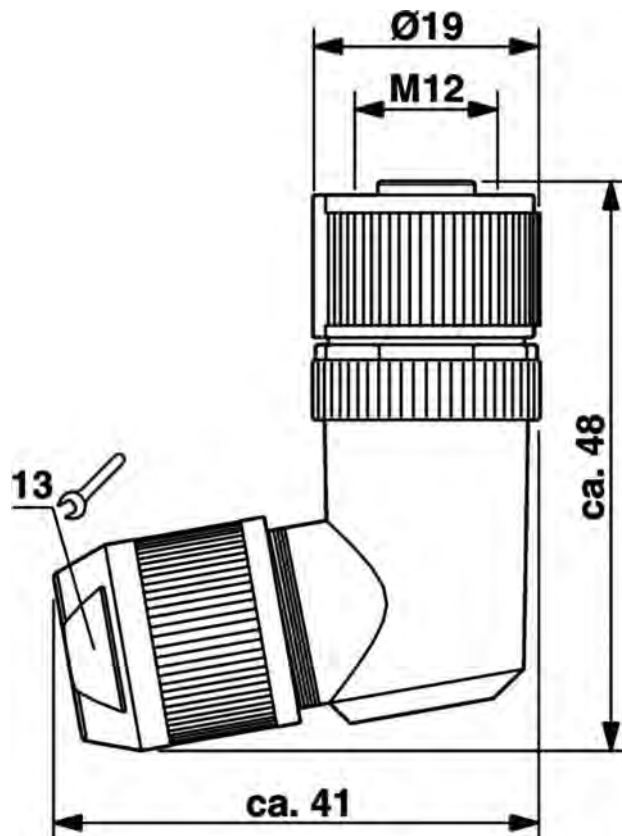
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SYSTEMATIC TECHNOLOGY

Technical data sheet · Actuator sensor interface

Dimensions



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Part-No. 490203

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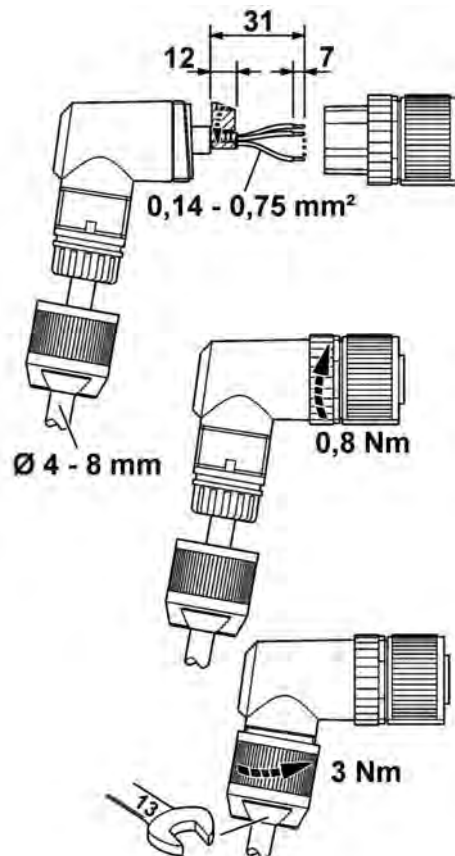
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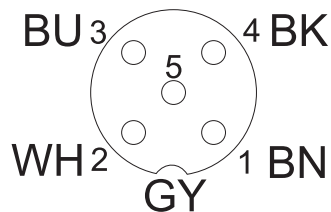
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Technical data sheet · Actuator sensor interface

Mounting diagram



Pin layout



Logo



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