

## Technical data sheet

Actuator sensor interface · M12 - connector

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**Field wireable connector, M12 straight shielded**  
**Female - X coded Cat.6<sub>A</sub> (Ethernet, Profinet)**  
**Fast connection method, IDC termination**



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### Identification

Type KUGK8-M12(C) 8pol. X-kod. Cat.6A  
Part No. [490168](#)

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### Product version

Datasheet version 00

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### General

Design	M 12
Form male 1	M 12
Degree of pollution	3
Insulation resistance	>100 MΩ
Flamability according to UL 94	V0
Degree of protection	IP65/67
Housing material	Zinc die-casting
Contact material	CuSn, gold-plated
Material sealing ring	NBR
Cable diameter	5 mm – 9.7 mm
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section AWG	26-22
Connection type	Compliant terminal IDC
Weight/unit	0.022 kg
PU (units)	1

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SYSTEMATIC TECHNOLOGY



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### Pin layout

