# **Electrical connection technology, for inputs/outputs**Technical data – KM8

**FESTO** 

- Plug socket with cable for connecting inputs/outputs
- Pre-assembled at both ends
- Cable lengths 1 m, 2.5 m or 5 m
- Socket/plug, 3-pin or 4-pin



General technical data						
Туре		KM8				
Type of mounting		Union nut/threaded connector				
Mounting position		Any				
Operating voltage range	[V AC]	60 AC				
	[V DC]	75 DC				
Current-carrying capacity [A]		4				
Protection class to EN 60 529		IP65 (assembled)				
Material of housing		Polyurethane				
Material of contacts		Nickel-plated/gold-plated bronze				
Material of union nut		Nickel-plated brass				
Material of cable sheath		Polyurethane				
Material note		RoHS compliant				
Ambient temperature [°C]		-25 +85				
Ambient temperature of	[°C]	+20 +80				
flexible cable installation						

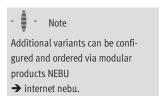
Ordering data										
	Electrical connection	Constructional design [mm <sup>2</sup> ]	Cable diameter	Product weight	Cable length [m]	Туре	Part No.			
	Straight plug, 3-pin, M8 Straight socket, 3-pin, M8 Straight plug, 3-pin, M8	3x0.25	4.5	26	0.5	KM8-M8-GSGD-0,5	175 488 175 489			
	Straight socket, 3-pin, M8 Straight plug, 3-pin, M8 Straight socket, 3-pin, M8	3x0.25	4.5	78.8	2.5	KM8-M8-GSGD-2,5	165 610			
	Straight plug, 3-pin, M8 Straight socket, 3-pin, M8	3x0.25	4.5	140	5	KM8-M8-GSGD-5	165 611			

# Electrical connection technology, for inputs/outputs Technical data - KM8





Wiring allocation (socket/plug view)											
KM8-M8											
Socket	Pin	Core colour	Pin	Plug							
	1	Brown	1	4							
	2	Blue	2								
1/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3	Black	3	1 3							



# **Product Range and Company Overview**

#### **A Complete Suite of Automation Services**

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



**Custom Automation Components** Complete custom engineered solutions



**Custom Control Cabinets** Comprehensive engineering support and on-site services



**Complete Systems** Shipment, stocking and storage services

# The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drives



**Pneumatics** Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

#### Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

#### Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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