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Electrical Connection Technology, for Diagnostic Interface

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Electrical connection technology, for diagnostic interface Product range overview

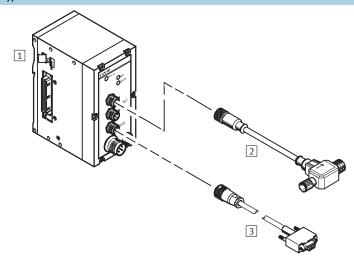
Overview of diagnostic cables for valve terminals							
Cable type	Valve terminal						
	Type 04	Type 10/12 ¹⁾	Type 03	Type 02	Type 50	→ Page	
KDI-SB202-BU9	-	-	•	•	-	4 / 5.1-112	
KDI-SB60-3-M12		•	•	-	-	4 / 5.1-112	
KDI-SB60-6,0-M12	•	•	•	-	-	4 / 5.1-112	
KDI-SB60-3-10,0-M12		•	•	-	-	4 / 5.1-112	
KDTAM-SB60-3-M12		•	•	-	-	4 / 5.1-112	
KDTAM-SB60-6,0-M12		•	•	-	-	4 / 5.1-112	
KDTAM-SB60-10,0-M12		•	•	-	-	4 / 5.1-112	
KV-M12-M12-1,5	-	-	-	-		4 / 5.1-114	
KV-M12-M12-3,5	-	-	-	-		4 / 5.1-114	

¹⁾ Via installation system (ECP)

Electrical connection technology, for diagnostic interface Peripherals overview



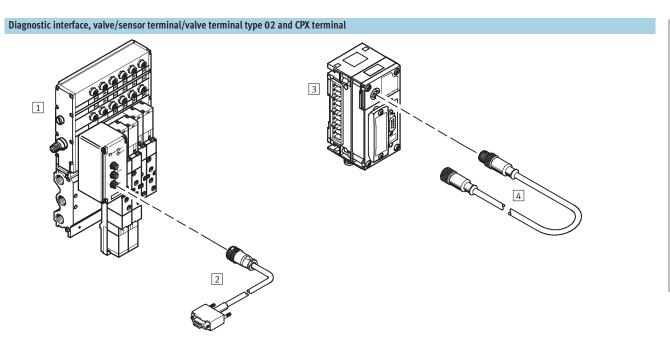
Diagnostic interface for valve terminal type 03



Accessories		
	Brief description	→ Page
1 ISF3-03	Control block, modular electrical peripherals for type 03/04	4 / 4.8-223
2 FB-TA	T-adapter, 3-pin	4 / 5.1-100
3 KDI-SB202	Programming cable, 4-pin	4 / 5.1-112

Electrical connection technology, for diagnostic interface Peripherals overview



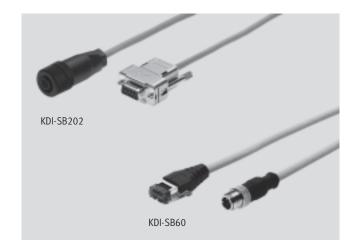


Accessories						
	Brief description	→ Page				
1 IIFB-02	Valve/sensor terminal type 02	4 / 2.3-1				
VIFB02	Valve terminal type 02	4 / 2.3-1				
2 KDI-SB202	Programming cable, 4-pin	4 / 5.1-112				
3 CPX-FB	Fieldbus node, CPX terminal	4 / 4.8-1				
4 KV-M12-M12	Plug socket with cable for diagnostic interface	4 / 5.1-114				

Electrical connection technology, for diagnostic interface Technical data – KDI/KDTAM

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- Programming cable for different applications
- Pre-assembled at both ends
- Cable lengths: 3 m, 6 m and 10 m

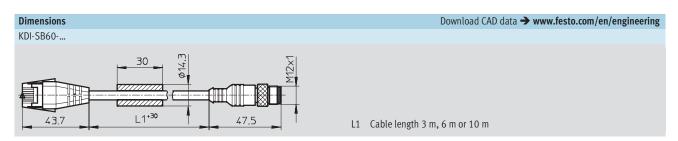


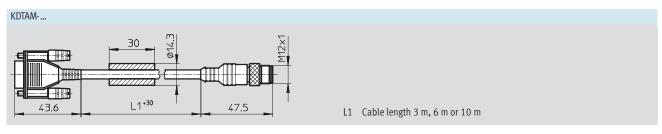
General technical data					
Туре		KDI/KDTAM	KDI-PPA-3-BU9		
Type of mounting		M12 union nut/threaded connector,	Screws 4-40 UNC		
		clips/screws 2xM3			
Mounting position		Any			
Operating voltage range	[V]	300 AC	-		
Material of housing		Polyester/Polyurethane			
Material of contacts		Gold-plated copper base alloy			
Material of union nut		Nickel-plated brass			
Material of cable sheath		Polyurethane	Polyvinyl chloride		
Ambient temperature	[°C]	-30 +80	<u>.</u>		
Ambient temperature of flexible cable	[°C]	-10 +80			
installation					

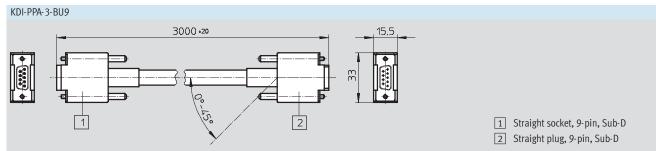
Ordering data							
	Electrical connection	Construc- tional design [mm ²]	Cable diameter [mm]	Product weight [g]	Cable length [m]	Туре	Part No.
Man Charles	Straight plug, 5-pin, M12 -	7x0.24	5.9	203	3	KDTAM-SB60-3-M12	188 979
	straight socket, 9-pin, Sub-D			354	6	KDTAM-SB60-6-M12	188 980
				582	10	KDTAM-SB60-10-M12	188 981
	Straight socket, 9-pin, Sub-D – straight plug, 9-pin, Sub-D	9x0.22	-	156	3	KDI-PPA-3-BU9	151 915
	Straight socket, 5-pin, M12 – straight socket, 25-pin, Sub-D	4x0.14	4.5 6.5	210	5	KDI-SB202-BU25	30 437
	Straight socket, 5-pin, M12 – straight socket, 9-pin, Sub-D	4x0.14	4.5 6.5	181	5	KDI-SB202-BU9	150 268
	Straight plug, 5-pin, M12 – straight socket, 8-pin, SDL	7x0.24	5.9	190	3	KDI-SB60-3,0-M12	171 173
	,			361	6	KDI-SB60-6,0-M12	175 686
				591	10	KDI-SB60-10,0-M12	171 174

Electrical connection technology, for diagnostic interface Technical data – KDI/KDTAM

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Electrical connection technology, for diagnostic interface Technical data – KV-M12-...

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- Plug socket with cable for diagnostic interface (to terminal CPX)
- Pre-assembled at both ends
- Cable lengths: 1.5 m and 3.5 m
- 5-pin/4-wire
- Round plug



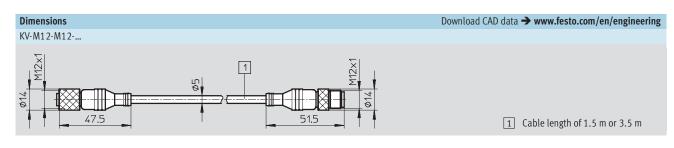
General technical data		
Туре		KV-M12-M12
Type of mounting		M12 union nut
Mounting position		Any
Operating voltage range	[V]	30 AC
	[V]	36 DC
Current-carrying capacity	[A]	4
Cable diameter	[mm]	5
Protection class to EN 60 529		IP67 (assembled)
Material of housing		Polyurethane
Material of contacts	Socket	Gold-plated brass
	Plug	Gold-plated bronze
Material of union nut		Nickel-plated/chrome-plated brass
Material of cable sheath		Polyurethane
Ambient temperature [°C]		-25 +70
Ambient temperature of flexible cable in-	[°C]	-5 +70
stallation		

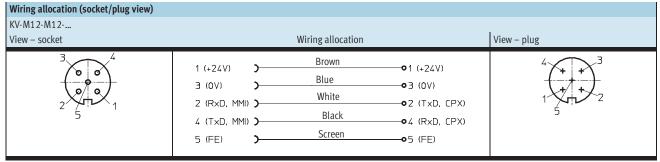
Ordering data						
	Electrical connection	Constructional design [mm ²]	Ü	Cable length [m]	Туре	Part No.
	Straight plug – straight socket, 5-pin	4x0.34	97	1.5	KV-M12-M12-1,5	529 044
	Straight plug – straight socket, 5-pin	4x0.34	182	3.5	KV-M12-M12-3,5	530 901

Electrical connection technology, for diagnostic interface

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Technical data – KV-M12-...





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 ComponentsComplete custom engineered solutions



Custom Control CabinetsComprehensive engineering support and on-site services



Complete SystemsShipment, 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.



ElectromechanicalElectromechanical actuators, motors, controllers & drives



PneumaticsPneumatic linear and rotary actuators, valves, and air supply



PLC's 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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