



**Electrical Connection Technology,  
for Individual Connection, SIM**

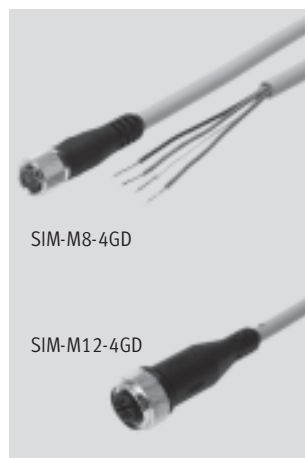


# Electrical connection technology, for individual connection

**FESTO**

Technical data – SIM

- Plug socket with cable for connecting individual valves or sensors (signal generators)
- Pre-assembled
- Cable lengths of 2.5 m or 5 m
- 4-pin or 5-pin plug socket
- Not suitable for chain link trunking



General technical data		
Type	SIM-...	
Type of mounting	Union nut	
Mounting position	Any	
Operating voltage range	[V]	45 AC
	[V]	70 DC
Protection class to EN 60 529	IP65/IP67 (assembled)	
Material of housing	Polyurethane	
Material of contacts	Nickel-plated/gold-plated bronze	
Material of union nut	Nickel-plated/chrome-plated brass	
Material of cable sheath	Polyurethane	
Ambient temperature	[°C]	–40 ... +70
Ambient temperature of flexible cable installation	[°C]	–5 ... +70

Ordering data								
	Electrical connection	Current-carrying capacity [A]	Construc-tional design [mm <sup>2</sup> ]	Cable diameter [mm]	Product weight [g]	Cable length [m]	Type	Part No.
	Straight socket, 4-pin, M8	2.8	4x0.25	4.5	86	2.5	<b>SIM-M8-4GD-2,5-PU</b>	<b>158 960</b>
	Straight socket, 4-pin, M8	2.8	4x0.25	4.5	159	5	<b>SIM-M8-4GD-5-PU</b>	<b>158 961</b>
	Angled socket, 4-pin, M8	2.8	4x0.25	4.5	85	2.5	<b>SIM-M8-4WD-2,5-PU</b>	<b>158 962</b>
	Angled socket, 4-pin, M8	2.8	4x0.25	4.5	154	5	<b>SIM-M8-4WD-5-PU</b>	<b>158 963</b>
	Straight socket, 4-pin, M12	2.8	4x0.25	4.5	158	5	<b>SIM-M12-4GD-5-PU</b>	<b>164 259</b>
	Angled socket, 4-pin, M12	2.8	4x0.25	4.5	162	5	<b>SIM-M12-4WD-5-PU</b>	<b>164 258</b>
	Straight socket, 5-pin, M12	4	5x0.25	5	96	2.5	<b>SIM-M12-5GD-2,5-PU</b>	<b>175 715</b>
	Straight socket, 5-pin, M12	4	5x0.25	5	191	5	<b>SIM-M12-5GD-5-PU</b>	<b>175 716</b>

# Electrical connection technology, for individual connection

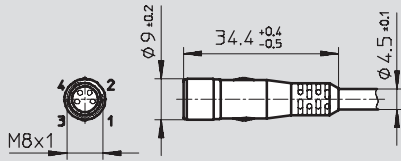
FESTO

Technical data – SIM

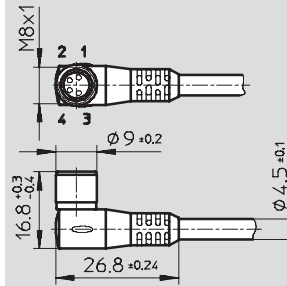
## Dimensions

Download CAD data → [www.festo.com/en/engineering](http://www.festo.com/en/engineering)

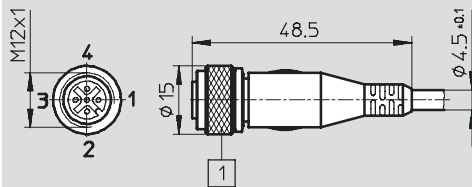
### SIM-M8-4GD



### SIM-M8-4WD

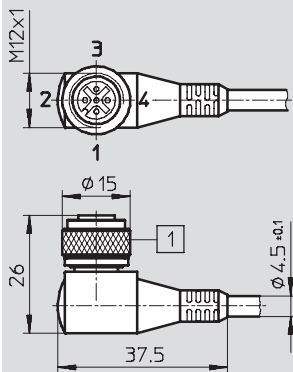


### SIM-M12-4GD



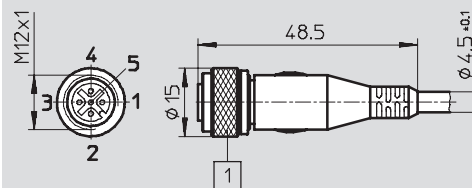
1 M12 union nut

### SIM-M12-4WD



1 M12 union nut


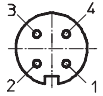
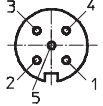
### SIM-M12-5GD



1 M12 union nut

# Electrical connection technology, for individual connection

Technical data – SIM

Wiring allocation (socket view)		
SIM-M8, 4-pin		
	Pin	Core colour
	1	Brown
	2	White
	3	Blue
	4	Black
SIM-M12, 4-pin		
	Pin	Core colour
	1	Brown
	2	White
	3	Blue
	4	Black
SIM-M12, 5-pin		
	Pin	Core colour
	1	Brown
	2	White
	3	Blue
	4	Black
	5	Grey



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502 Earth City Expy., Suite 125  
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**Call:** 1.800.99.FESTO

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**Call:** 1.866.GO.FESTO

**Fax:** 1.800.96.FESTO

**Email:** [product.support@us.festo.com](mailto:product.support@us.festo.com)

### Headquarters

Festo Corporation  
395 Moreland Road  
P.O. Box 18023  
Hauppauge, NY 11788  
[www.festo.com/us](http://www.festo.com/us)

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N. 922 Tower View Drive, Suite N  
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**East:** 395 Moreland Road, Hauppauge, NY 11788



**Central:** 1441 East Business Center Drive, Mt. Prospect, IL 60056



**West:** 4935 Southfront Road, Suite F, Livermore, CA 94550

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## Mexico

### Headquarters

Festo Pneumatic, S.A.  
Av. Ceylán 3, Col. Tequesquahuac  
54020 Tlalnepantla, Edo. de México  
Call: 011 52 [55] 53 21 66 00  
Fax: 011 52 [55] 53 21 66 65  
Email: [festo.mexico@mx.festo.com](mailto:festo.mexico@mx.festo.com)  
[www.festo.com/mx](http://www.festo.com/mx)



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## Canada

### Headquarters

Festo Inc.  
5300 Explorer Drive  
Mississauga, Ontario L4W 5G4  
Call: 1.905.624.9000  
Fax: 1.905.624.9001  
Email: [info.ca@ca.festo.com](mailto:info.ca@ca.festo.com)  
[www.festo.com/ca](http://www.festo.com/ca)



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