



Model Number

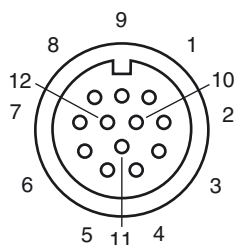
9416-*M-12P-AVM

Female cordset, M23, 12-pin, PVC cable, 8-core

Features

- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Shield attached to connector housing

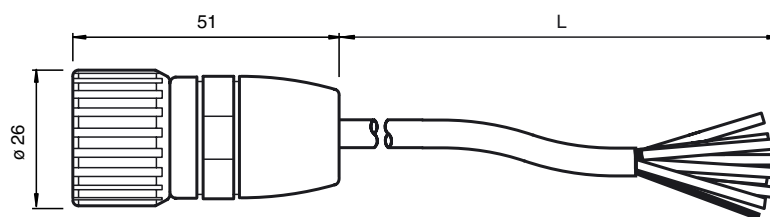
Pinout



Wire colors

1	WH	(white)
2	BN	(brown)
3	GN	(green)
4	YE	(yellow)
5	GY	(gray)
6	PK	(pink)
7		
8	RD	(red)
9	BK	(black)
10		
11		
12		
--]	Screen	

Dimensions



Technical data

General specifications

Number of pins	12
Connection 1	socket
Construction type 1	straight
Threading 1	M23
Connection 2	cable end

Electrical specifications

Operating voltage U_B	max. 30 V DC
Test voltage	1200 V
Operating current I_B	max. 3 A
Volume resistance	< 5 mΩ
Insulation resistance	≥ 100 MΩ

Ambient conditions

Ambient temperature	cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -5 ... 70 °C (23 ... 158 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Degree of protection	IP67

Material

Contacts	CuZn
Contact surface	Au
Housing	CuZn, nickel-plated
Body	CuZn
Cable	PVC
Slotted nut	Zinc die-casting, nickel-plated
Core insulation	PVC
Cable	fine-strand, flexible
Sheath diameter	Ø 7.1 mm ± 0.15 mm
Bending radius	Cable, floating: ≥ 107 mm, Cable, fixed: ≥ 43 mm
Color	gray
Cores	6 x 2 x 0.14 mm ² + shield
Shield	grid covering 85 %

Ordering Information



Length L

03M	3 m
05M	5 m
06M	6 m
10M	10 m
15M	15 m
20M	20 m
25M	25 m