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Adapter, from M8 male plug to M12 female plug, 3-pos.



## **Key Commercial Data**

Packing unit	1 pc
Minimum order quantity	5 pc
Weight per Piece (excluding packing)	15.33 g
Custom tariff number	85366990
Country of origin	Germany

#### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C 90 °C		
Degree of protection	IP65		
	IP67		

#### General

Rated current at 40°C	4 A			
Rated voltage	60 V			
Number of positions	3			
Insulation resistance	$\geq 100 \text{ M}\Omega$			
Coding	A - standard			
Standards/regulations	M12 connector IEC 61076-2-101			
	M8 connector IEC 61076-2-104			
Status display	No			
Overvoltage category	II			
Pollution degree	3			



## Technical data

### General

Insertion/withdrawal cycles	≥ 100	
Torque	0.4 Nm (M12 connector)	
	0.2 Nm (M8 connectors)	

#### Material

Flammability rating according to UL 94	НВ
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Flammability rating according to UL 94	НВ

## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27440104

### **ETIM**

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC002062

### **UNSPSC**

UNSPSC 6.01	31251501



## Classifications

#### **UNSPSC**

UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

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Approvals

EAC / EAC

Ex Approvals

Approvals submitted

#### Approval details

EAC

EAC

## **Drawings**

#### Schematic diagram



Schematic diagram



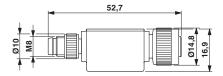
Pin assignment M8 plug, 3-pos., view male side

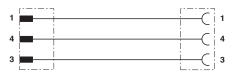
Pin assignment M12 socket, 3-pos., A-coded, view female side



#### Dimensional drawing

#### Circuit diagram





M8/M12 adapter

Contact assignment of M8 plugs / M12 sockets

### Schematic diagram



Layout of connector pin assignments

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