

## Female connector - V-RC/TGUM 11/KVD 11/LBL 12 - 1000041


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M23 socket, 12-pos., straight, freely configurable, with solder connection, for external cable diameter of 8 mm ... 12 mm

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 399832
GTIN	4017918399832
Sales Key	02

### Technical data

#### General

Rated voltage	150 V
Total rated current	8 A (with 1 mm <sup>2</sup> conductor cross section)
Number of positions	12
Flammability rating according to UL 94	V0
Note	The connector is designed for use on sensor/actuator boxes with an M23 plug-in connection.

#### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 80 °C

#### Master cable data/connection data

Connection method	M23 screw locking
Conductor cross section max. (signal)	1 mm <sup>2</sup>
Conductor cross section max. (energy)	1 mm <sup>2</sup>
External cable diameter min.	8 mm
External cable diameter max.	12 mm

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## Technical data

### Insulation material

Housing material	GD-Zn
Housing surface material	Nickel-plated
Contact material	CuZn
Contact surface material	gold-plated
Contact carrier material	PBT

### Connection assignment

Slot/position = pin = conductor color	1 / 4 (A) = 1 = WH
	2 / 4 (A) = 2 = GN
	3 / 4 (A) = 3 = YE
	4 / 4 (A) = 4 = GY
	5 / 4 (A) = 5 = PK
	6 / 4 (A) = 6 = RD
	7 / 4 (A) = 7 = BK
	8 / 4 (A) = 8 = VT
	1-8 / 1 (+ 120 V) = 11 = BN
	1-8 / 3 (0 V) = 9+10 = BU
	1-8 / 5 (PE) = 12 = GN/YE

### Standards and Regulations

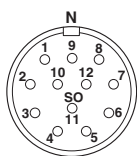
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

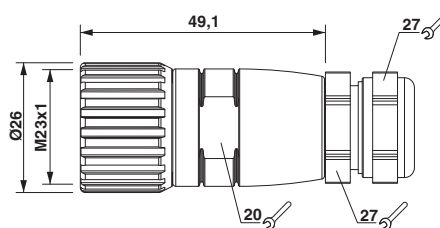
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Schematic diagram



Dimensional drawing



Pin assignment M23 socket, 12-pos., female side view

## Approvals

Approvals

## Female connector - V-RC/TGUM 11/KVD 11/LBL 12 - 1000041

### Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		B.01742
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