


## Connector - PV-C1M-S 2,5-6 (-) - 1789834

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RoHS

### Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 626835
GTIN	4046356626835

### Technical data

#### Dimensions

External cable diameter	5 mm ... 8 mm
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#### Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

#### General

Design	Pin
Tightening torque nut	2 Nm $\pm$ 0.1 Nm
Insertion force	45 N $\pm$ 10 N
Disconnect force	250 N $\pm$ 50 N
Pull-out force of cable $\geq$ disconnect force	> 330 N
Rated voltage	1500 V
Rated current (2.5 mm <sup>2</sup> )	27 A
Rated current (4.0 mm <sup>2</sup> )	40 A
Nominal cross section	6 mm <sup>2</sup>
Protection class	II

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## Technical data

### Material

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

### Connection data

Connection method	Spring-cage
Connection capacity	2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

### Standards and Regulations

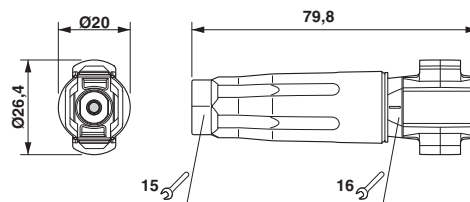
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



## Approvals

### Approvals

Approvals


VDE Zeichengenehmigung / EAC


Ex Approvals

### Approval details

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### Approvals

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40031807
Nominal voltage UN		1500 V	
Nominal current IN		27 A	
mm <sup>2</sup> /AWG/kcmil		2.5	

EAC		B.01742
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