


Connector - PV-C1F-S 2,5-6 (+) - 1789821

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RoHS

Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 626828
GTIN	4046356626828

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	Socket
Tightening torque nut	2 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N
Rated voltage	1500 V
Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	40 A
Nominal cross section	6 mm ²
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 ² ... 6 mm ²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

Standards and Regulations

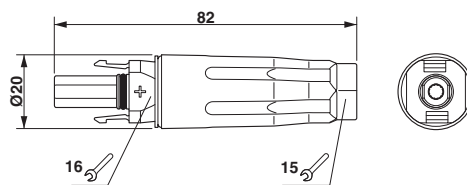
Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

EAC		B.01742
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