


Connector - PV-CM-S 6-16 (-) - 1790797

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Key Commercial Data

Packing unit	25 STK
GTIN	 4 046356 607438
GTIN	4046356607438

Technical data

Dimensions

External cable diameter	5.5 mm ... 10 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	3 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	> 500 N
Rated voltage	1500 V
Rated current (6.0 mm ²)	40 A
Rated current (10 mm ²)	50 A
Rated current (16 mm ²)	65 A
Nominal cross section	16 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	6 mm ² ... 16 mm ²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	18 mm
Cable type	PV1-F cables

Standards and Regulations

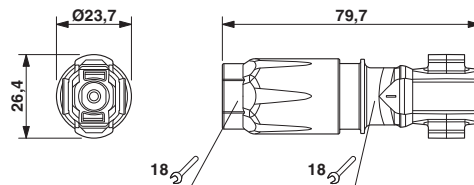
Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

Drawings

Dimensional drawing



Approvals

Approvals

Approvals


VDE Zeichengenehmigung / EAC / TÜV Rheinland

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
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Nominal voltage UN	1500 V
Nominal current IN	40 A
mm ² /AWG/kcmil	6

EAC		B.01742
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TÜV Rheinland	http://www.certipedia.com	R 60126961
Nominal voltage UN	1500 V	

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