

Printed-circuit board connector - IPC 35 HC/ 4-STF-SH-15,00 - 1784842

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PCB connector, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm², number of positions: 4, pitch: 15 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Shield for adherence to the EMC requirements and an optional strain relief
- ✓ Screwable flange for superior mechanical stability



Key Commercial Data

Packing unit	10 pc
GTIN	 4 046356 561150
GTIN	4046356561150

Technical data

Dimensions

Length [l]	155.8 mm
Width [w]	84.4 mm
Height [h]	42.5 mm
Pitch	15 mm
Dimension a	45 mm

General

Range of articles	IPC 35 HC/...STF-SH
Number of positions	4
Connection method	Screw connection with tension sleeve
Insulating material group	I

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Technical data

General

Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	125 A
Nominal cross section	35 mm ²
Maximum load current	125 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	20 mm
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	4.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	35 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	2
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.5 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	4 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	6 mm ²
Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	2

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Technical data

Standards and Regulations

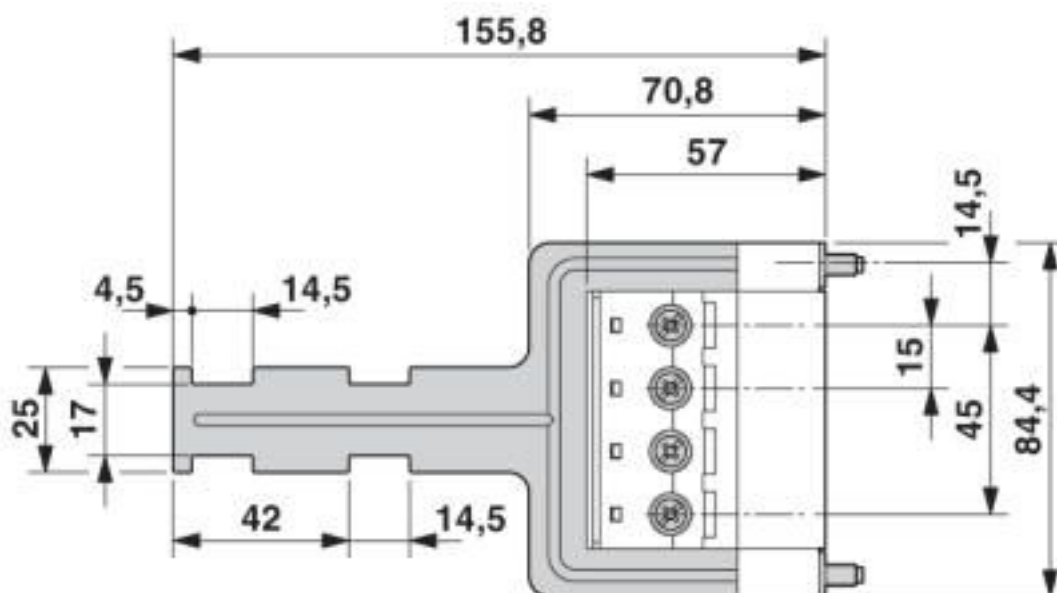
Connection in acc. with standard	EN-VDE
	UL
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440309
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

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Classifications

ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

Approvals


Approvals

CCA / UL Recognized / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC

Ex Approvals

Approval details

CCA	CCA/ DE1 34354
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20101007
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	115 A	115 A	
mm ² /AWG/kcmil	16-2	16-2	

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Approvals

IECEE CB Scheme	CB scheme	http://www.iecee.org/	CB DE1-63848
Nominal voltage UN		1000 V	
Nominal current IN		125 A	

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40039053
Nominal voltage UN		1000 V	
Nominal current IN		125 A	
mm ² /AWG/kcmil		0.5-35	

EAC	EAC		B.01687
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Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

Mounting material

Screw - DFK-PC 35-SS - 1700368



Flange screw for PC 35... connectors

Screwdriver tools

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Accessories

Screwdriver - SF-TX 20X80 VDE - 1200158



Screwdriver, Torx[®], VDE-insulated, TX 20 x 80, two-component handle

Screw insert - SF-BIT-TX 20-50 - 1212578



Screw bit, Torx[®], E6.3-1/4" drive, size: TX 20 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Terminal marking

Marker strip - SK 10,0 WH:REEL - 0812188



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 90000 mm, lettering field size: continuous x 10#mm, Number of individual labels: 54000

Tool set

Tool set - SF-M SET - 1212543



Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead (PZ and PH)/hex/Torx[®] bits, 17-part, in folding belt pouch, contents: PH 1,2,3 x 89; PZ 1,2,3 x 89; SL 1.5 x 5.5 x 89; TX 10-30 x 89; SW 3,4,5,6 x 89

Tool set - SF-LTX SET - 1200162



Offset screwdriver set, Torx, metric, TX 8, 9, 10, 15, 20, 25; 27, 30, 40 mm, 9-piece, BlackLaser surface, in practical holder

Additional products

Printed-circuit board connector - IPC 35 HC/ 4-STF-SH-15,00 - 1784842

Accessories

Printed-circuit board connector - DFK-IPC 35 HC/ 4-GF-15,00 - 1784981



Feed-through header, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm², number of positions: 4, pitch: 15 mm, color: green, contact surface: Silver, mounting: Wave soldering, pin layout: Linear pinning

Printed-circuit board connector - DFK-IPCV 35 HC/ 4-GF-15,00 - 1793626



Feed-through header, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm², number of positions: 4, pitch: 15 mm, color: green, contact surface: Silver, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 4.6 mm

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