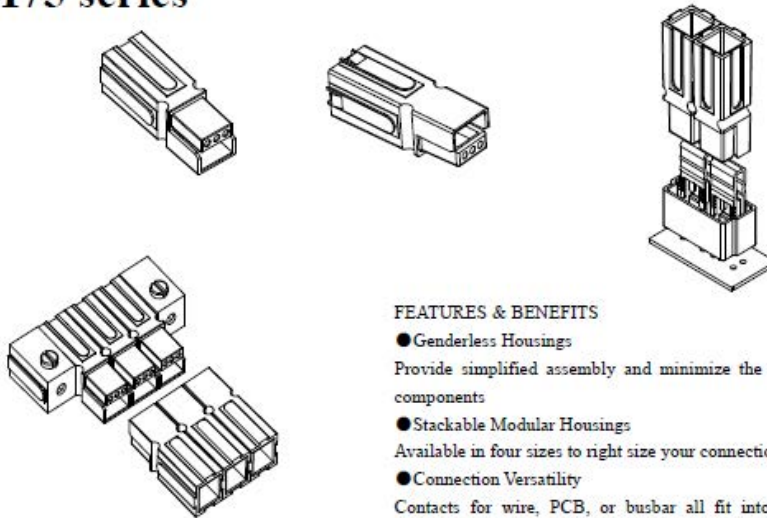


Battery Modular Terminal Contact, For 50 amp & 75 amp, 10 to 12 AWG 3.3 to 5.3 mm²

75Amp Single pole Power Connectors SI75 series



FEATURES & BENEFITS

- Genderless Housings
Provide simplified assembly and minimize the number of components
- Stackable Modular Housings
Available in four sizes to right size your connection need
- Connection Versatility
Contacts for wire, PCB, or busbar all fit into the same housings
- Low Resistance Connection
Silver or tin plated contacts inside housings that strongly force the contacts together
- Color Coded Housings
Help ensure that connectors are assembled and mated correctly
- Self Securing Design
Stainless steel springs create a robust force between the contacts that holds the connector in the mated condition, but allows it to be quickly disconnected.

Product specifications

Rated Current (Amperes)	75A
Rated Voltage (Voltage)	50V DC max.
Contact Barrel Wire Size (AWG)	6AWG/ 10/12AWG (13.3mm ² - 5.3/3.3mm ²)
Average contact resistance	0.05MΩ
Voltage proof	2200V (DC)
Insulation resistance	500MΩ
A. No load (Contact/Disconnect Cycles)	To 10,000
B. Under Load (Hot Plug 250 cycles@120V)	50A
Average Unmating Force	31N
Flammability Rating of Housing Material	UL94 V-0
Operating temperature range	-20° to 125°
Contact material	Copper\Plating Silver

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represents the technical status at the time of printing.

© Copyright 2017 by Conrad Electronic SE.

Datasheet

Item no. 1571083

V1_0917_01_en

Battery Modular Terminal Contact, For 50 amp & 75 amp, 10 to 12 AWG 3.3 to 5.3 mm²

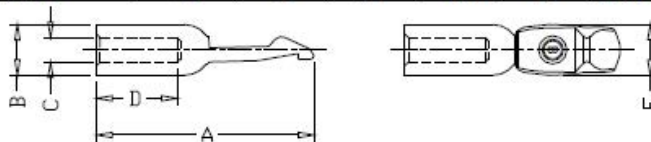
Housings

Part Numbers		Color	Voltage
Yellow	SH5916G15	Yellow	12V
Orange	SH5916G14	Orange	18V
Red	SH5916G17	Red	24V
Gray	SH5916G16	Gray	36V
Blue	SH5916	Blue	48V
Green	SH5916G6	Green	50V
Black	SH5916G4	Black	50V



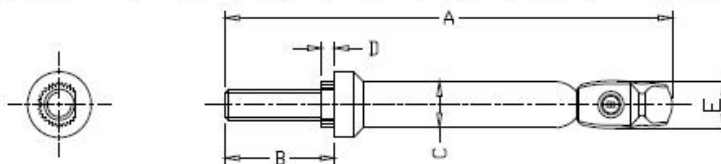
Terminal

Part Numbers	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	-E- (mm)	Wire (AWG/mm ²)
SH5900	31	7.2	5.6	11.4	7.3	6AWG\13.3 mm ²
SH5952	31	7.2	4.7	11.4	7.3	8AWG\8.4 mm ²
SH5915	31	7.2	3.5	11.4	7.3	10to12AWG\3.3to5.3 mm ²



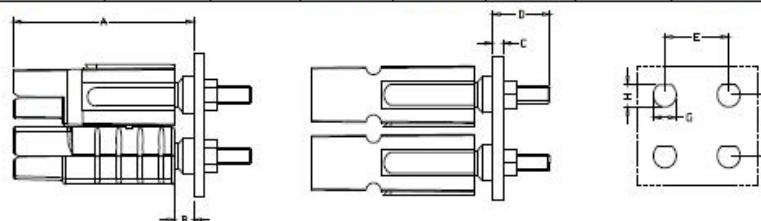
PCB Terminal

Part Numbers	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	-E- (mm)	Wire (AWG/mm ²)
SH5075BBS	70	17.1	7.0	2.0	7.3	#10-24THD



PCB Terminal

Part Numbers	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	-E- (mm)	-F- (mm)	-G- (mm)	-H- (mm)
SH5075BBS	53.6	5.6	3.2~12.7	17.1	19.0	17.0	6.8	6.2



This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represents the technical status at the time of printing.

© Copyright 2017 by Conrad Electronic SE.

Datasheet

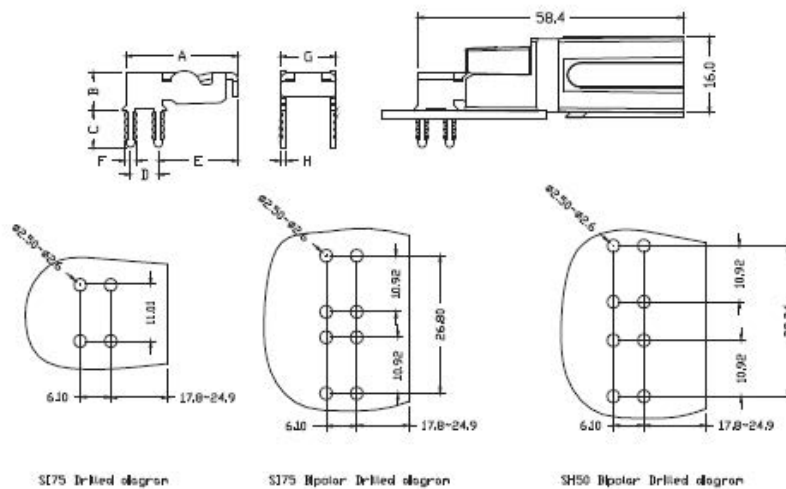
Item no. 1571083

V1_0917_01_en

Battery Modular Terminal Contact, For 50 amp & 75 amp, 10 to 12 AWG 3.3 to 5.3 mm²

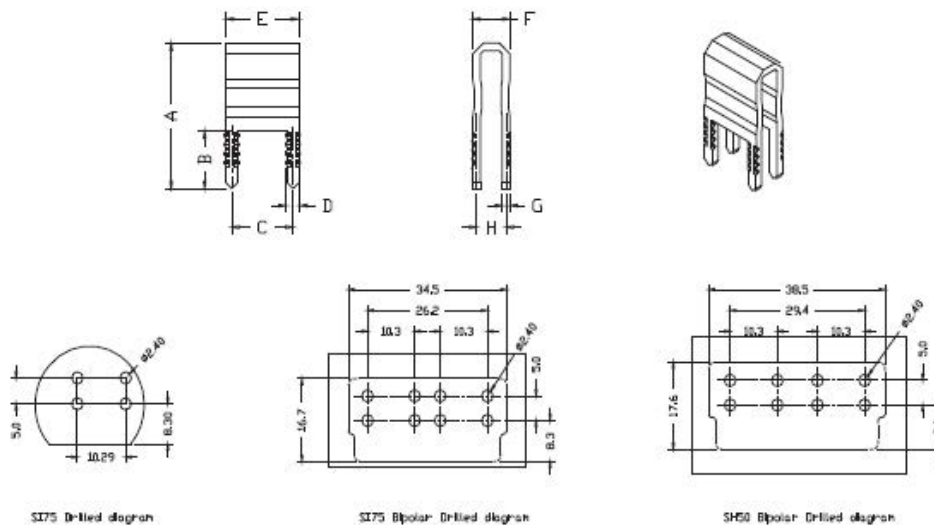
PCB Terminal

Part Numbers	-A- (mm)	-B- (mm)	-C-(mm)	-D-(mm)	-E-(mm)	-F-(mm)	-G-(mm)	-H-(mm)
SH5934S	24.6	8.1	7.6	6.1	17.5	2.42	12.2	1.27



PCB Terminal

Part Numbers	-A- (mm)	-B- (mm)	-C-(mm)	-D-(mm)	-E-(mm)	-F-(mm)	-G-(mm)	-H-(mm)
SH5933S	24.3	9.7	10.3	2.32	12.2	6.25	1.27	5.0



This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represents the technical status at the time of printing.

© Copyright 2017 by Conrad Electronic SE.

Datasheet

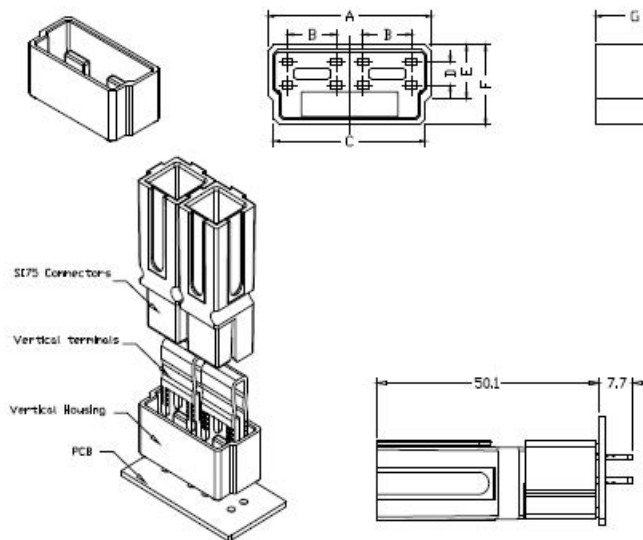
Item no. 1571083

V1_0917_01_en

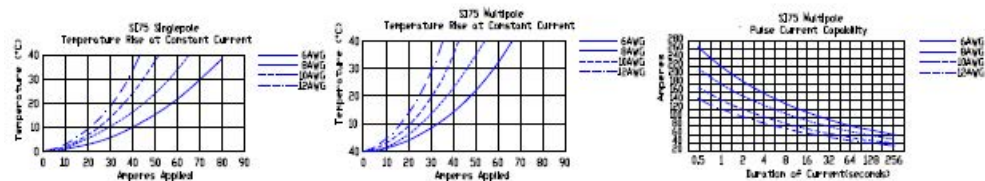
Battery Modular Terminal Contact, For 50 amp & 75 amp, 10 to 12 AWG 3.3 to 5.3 mm²

Guide Housings

Part Numbers	-A- (mm)	-B- (mm)	-C-(mm)	-D-(mm)	-E-(mm)	-F-(mm)	-G-(mm)
SH-HSG-PP	34.5	10.3	32	5.0	11.2	16.7	16.5

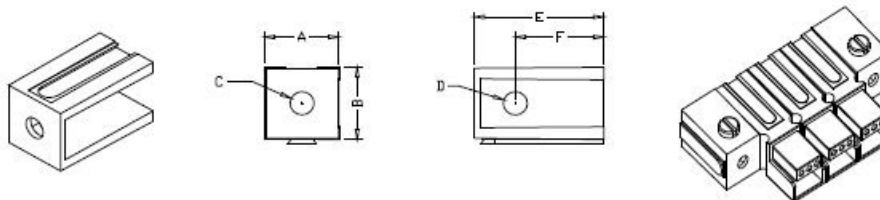


Temperature rise charts



Mounting Wing

Part Numbers	-A- (mm)	-B- (mm)	-C-(mm)	-D-(mm)	-E-(mm)	-F-(mm)	Color
SH1399G20	15.9	15.9	5.0	5.1	27.4	18.7	Blue



This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represents the technical status at the time of printing.

© Copyright 2017 by Conrad Electronic SE.