

Data Sheet

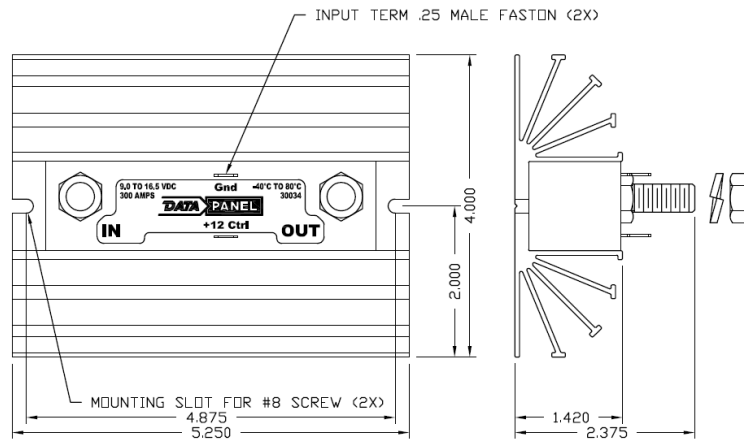
DP-30034

300 Amp

High Current Switch

Solid State

9 – 16.5 Vdc



Technical Data

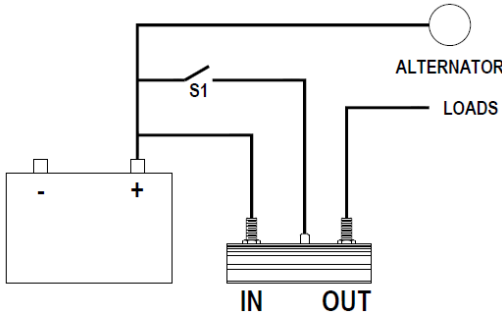
Housing	Black Anodized Aluminium
Dimensions (l x w x h)	5.25 x 4.00 x 2.375 inch
Installation	Mounting Slots #8
Connections Fast-On Terminal Blades	Mating Connection 0.25" Fast-On Terminal
Studs Torque	3/8-16 hex nut and lock washer 12 ft/lbs max
Weight	1.5 lb
Operating Voltage IN	9-16.5 Vdc
Switching Current	500 Amps inrush 1.0 seconds
Total I/O	Pin 1: +12 CTRL (9-16.5 Vdc) Pin 2: Gnd (Ground, Battery Negative)
Total Output Current	300 Amps @ 25 °C (12.5 Vdc)
Operating Temperature	-40...80 °C
Storage Temperature	-45...85 °C
IP67	User to protect input stud(s)

Electrical Characteristics

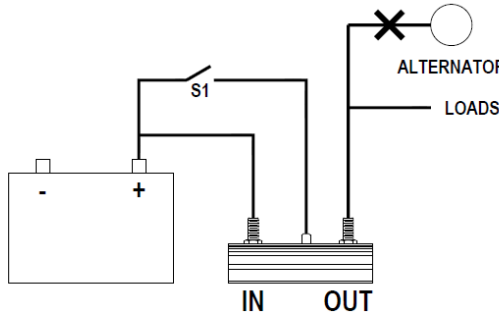
+12 CTRL	OFF: OPEN ON: 9-16.5 Vdc @ 125 mA Max Reverse Battery Protected
IN to OUT	Max voltage drop: 0.350 Vdc @ 150 Amps Switching Time T(on): 50 mSec typical Switching Time T(off): 150 mSec typical

					Date	Name	Data Sheet High Current Switch (HCS) 300 Amp	
				Originator	02.03.20	FSa		
				Approved	02.03.20	FSa		
				DATA PANEL A Murrelektronik Company				
Rev	Description	Date	Name				Art. No.: DP-30034	Sheet
a	DCN F175	02.03.20	FSa	DP-30034_db_e_a.docx				1 of 2

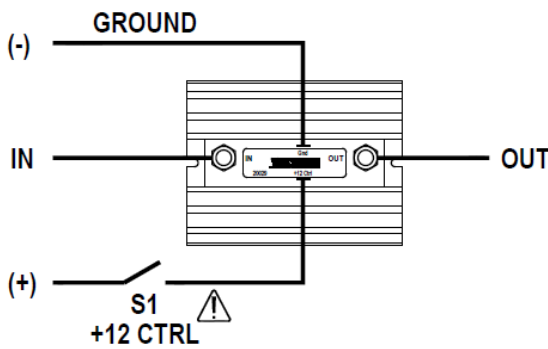
Cautions	
Installation	Make Gnd connection first during installation.
IN to OUT	Not Reverse Battery or Reverse Current Protected



CORRECT



INCORRECT



GROUND (-)

IN

OUT

S1

+12 CTRL

Test Standards and Regulation	
Climatic test	Cold Temperature to IEC 60068-2-1:2007, test Ad Temperature Durability to IEC 60068-2-14:2000-08, test Nb Temperature Shock to IEC 60068-2-14:2000-08, test Na
Mechanical test	IP protection to EN 60529:2000-09, test IP67
Electrical test	Electrical Tests to ISO 16750-2:2012

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