

# Data Sheet

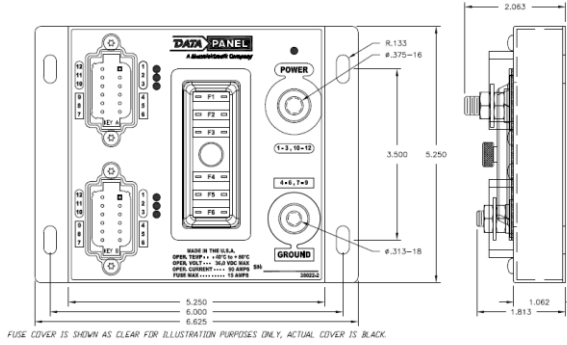
**DP-38022-2-000**

**PSF-2**

**Power Splitter &  
Distribution Device  
Fused**


**2 Connector**

**8-36 Vdc  
IP67**



## Technical Data

<b>Housing</b>	Aluminum, black anodized
<b>Cover</b>	ABS, black, velvet matte with gasket
<b>Dimensions (l x w x h)</b>	6.625 x 5.25 x 2.063 in (169 x 134 x 53 mm)
<b>Weight</b>	1.33 lbs (0.60 kg)
<b>Installation</b>	Screw connection 4 x 1/4" (not included) Cover thumb screw/captive washer 8-32 (included) 15 Amp fuse Max. (fuses not included)
<b>Torque Specification (Dry)</b>	Power Stud (3/8-16): torque 154 in-lbs (18 Nm). Ground Stud (5/16-18): torque 86 in-lbs (10 Nm). Thumb Screw: torque 13 in-lbs (1.5 Nm).
<b>Mating Connectors and Accessories</b> Deutsch® Key A connector Deutsch® Key B connector Deutsch® size 20 Socket Deutsch® size 16 Socket Deutsch® Wedgeloock Deutsch® Seal Plug Fuses (not included) Replacement Cover Kit	DT06-12SA or equivalent DT06-12SB or equivalent 0462-201-20141 0462-201-16141 W12S 114017 Automotive Blade Type (ATO/ATC) 15A max. DP-38022-120
<b>Operating Voltage</b>	8-36 V DC
<b>Input Current</b>	90A max.
<b>Output Current</b>	13.5A continuous per pin max.
<b>Total Inputs</b>	2 – 1 Main Power 3/8" Stud 1 Main Ground 5/16" Stud
<b>Total Outputs</b>	2 - 12 Pin Connectors (6 power and 6 ground each)
<b>Operating Temperature</b>	-40...80 °C
<b>Storage Temperature</b>	-40...80 °C
<b>IP67</b>	User to protect input stud(s) Connector seal plugs required for unused pins

h	Changed Part #	09.01.23	AH		Date	Name
g	DCN F830	01.27.22	Fsa	Originator	01.30.20	FSa
f	Added Cover Kit	12.14.21	Fsa	Approved	01.30.20	FSa
e	DCN F749	09.24.21	FSa			
d	DCN F675	06.09.21	FSa			
c	DCN F263	09.04.20	FSa			
Rev	Description	Date	Name	 <b>A Murrelektronik Company</b>		
a	DCN F175	02.03.20	FSa			

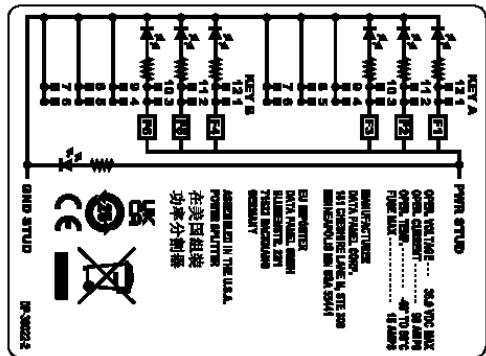
**Data Sheet**  
**PSF-2**  
**Power Splitter & Distribution Device**  
**2 Connector**

**Art. No.: DP-38022-2-000**

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Operating States (LEDs)	Color	Status
POWER LED	Blue	Illuminated on POWER and GROUND present
Output LED	Green	One per Fuse, Illuminated on fuse good

### Connector Wire Diagram



**Notes:**

1. All power to vehicle must be turned off prior installation of the device.
2. The device should only be installed by a trained electrician following standard best practices
3. To maintain IP rating, sealing plugs need to be installed on all unpopulated positions on mating connectors.
4. To maintain IP rating, fuse cover needs to have gasket present and thumb nut manually tightened to dry torque 13 in-lbs. (1.5 Nm) to maintain seal. Over tightening of fuse cover could result in cracking of the fuse cover and a degradation in the IP rating.
5. Fuses are rated at 15 Amp maximum for each fuse location (6 total).
6. Output LED's require an intact fuse or circuit breaker, open circuits yield un-lighted LED

### Test Standards and Regulation

Climatic test	Cold Temperature to IEC 60068-2-1:2007, test Ad Dry Heat to IEC 60068-2-2:2007, test Bb Temperature Durability to IEC 60068-2-14:2000-08, test Nb Temperature Shock to IEC 60068-2-14:2000-08, test Na Humidity Soak to IEC 60068-2-78:2001, test Cab Humidity Cycle to IEC 60068-2-30:2005, test Db
Mechanical test	Swept Sine Vibration to IEC 60068-2-6:2007, test Fc Random Vibration to IEC 60068-2-64:2008, test Fh Resonance Vibration to IEC 60068-2-6:2007, Section 8.1 Mechanical Shock to EN 60068-2-27:2008, test Ea Mechanical Bump to EN 60068-2-27:2008, test Ec IP protection to EN 60529:2000-09, test IP67
Electrical test	Max. Temp and Max. Current to JDQ 53.3, Section 9



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