

# 30A Saf-D-Grid®

Other ratings and wire sizes available. See [DS-SDG](#)



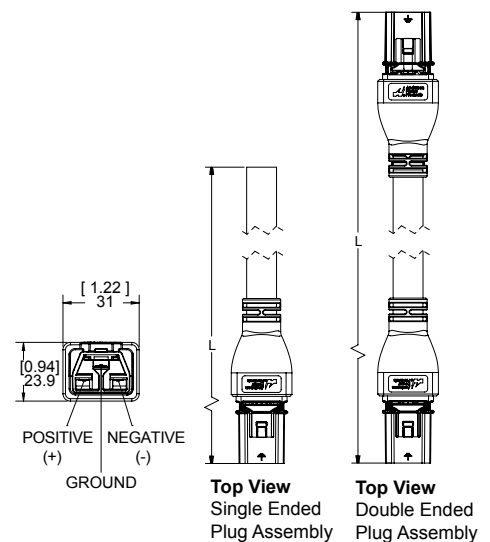
- Hot Swap Rated to 30A, 400V
- Same Panel Cut Out as IEC 320 C13/C14
- Built in Latch

## Single-Ended "T" Latch Plug Power Cord

Length		Description	Non-Bulk	Bulk
M	FT		- Part Numbers -	- Part Numbers -
2.0	6.56	10 AWG STOW UL 600V 90C	2038KZ2	2038KZ2-BK
3.0	9.84	10 AWG STOW UL 600V 90C	2038KZ3	2038KZ3-BK
6.0	19.68	10 AWG STOW UL 600V 90C	2038KZ6	2038KZ6-BK

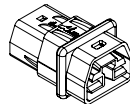
## Double-Ended "T" Latch Plug Power Cord

Length		Description	Non-Bulk	Bulk
M	FT		- Part Numbers -	- Part Numbers -
2.0	6.56	10 AWG STOW UL 600V 90C	2038KK2	2038KK2-BK
3.0	9.84	10 AWG STOW UL 600V 90C	2038KK3	2038KK3-BK
6.0	19.68	10 AWG STOW UL 600V 90C	2038KK6	2038KK6-BK

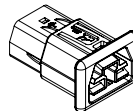


## Receptacle Housings Only

Housing Style & Panel Thickness	Non-Bulk - Part Numbers -	Bulk - Part Numbers -
<b>Short Depth</b>		
0.8 mm	2005G1-GRY	2005G1-GRY-BK
1.0 mm	2005G3-GRY	2005G3-GRY-BK
1.6 mm	2005G4-GRY	2005G4-GRY-BK
<b>Flush Mount</b>		
0.8 mm	2002G1-GRY	2002G1-GRY-BK
1.0 mm	2002G3-GRY	2002G3-GRY-BK
1.2 mm	2002G2-GRY	2002G2-GRY-BK
1.6 mm	2002G4-GRY	2002G4-GRY-BK
2.0 mm	2002G5-GRY	2002G5-GRY-BK
2.5 mm	2002G6-GRY	2002G6-GRY-BK



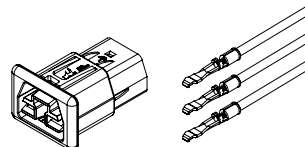
**Short Receptacle** - Mid-flange snap-in panel mount design shortens space required inside the panel. For use with crimp wire contacts. Gray color indicates 30A.



**Flush Mount Receptacle** - Flush snap-in panel mount design is compatible with crimp wire contacts. Gray color indicates 30A.

## 2002-GRY Series Receptacle Kit with #10 AWG Wires

Kit includes 1.0mm receptacle housing, 1- 10 AWG red wire with 2003G2-LPBK contact, 1- 10 AWG black wire with 2003G2-LPBK contact, and 1- 10 AWG green/yellow wire with 2003G2-LPBK contact)

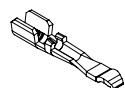


## Housing Style & Panel Thickness

Part Number - Flush Mount	Thickness
2002G3-GRYKIT	1.0 mm

## Contacts - #10 AWG

Compatible Receptacles	Loose Piece - Part Numbers -	Std. Pack	Hand Tool
Flush Mount	2003G2-LPBK	1	1309G10



Crimp Contact

**APP**  
Anderson Power Products®

# SPECIFICATIONS | other ratings and wire sizes available. See [DS-SDG](#).

Mechanical	
Contact Retention	20 lbf 89 N
Plug Latch Retention	20 lbf 89 N
Panel Latch Retention	60 lbf 267 N
Durability	5,000 cycles - no load
Receptacle Max Wire OD	0.22 in. 5.6 mm
Creep & Clearance per UL & IEC 60950	Between live parts of different polarity, earthing circuit and the mating surface.
• Short and Flush Receptacle with Crimp Contacts	8.0 mm
Mechanical Shock <sup>A</sup>	IEC 60512-4-6C 50g's
Vibration, High Frequency <sup>A</sup>	IEC 60512-4-6d 20g's

Electrical	
Voltage (AC/DC)	• UL 1977 / CSA 22.2 600
Current Rating (Amperes)	50 (see ratings charts below)
Wire Range	#10 AWG 6 mm <sup>2</sup>
Hot Plug Rated	• 250 cycles 400V @ 440A in-rush • 250 cycles (UL) 400V @ 30A load
Dielectric Withstanding Voltage	3,300
Operating Temperature	-20° to 80°C -4° to 176°F
Fault Current Withstand	UL 467 10 AWG, 750A, 4 Sec.

Protection	
Touch Safety with Connector Housing	
IEC 60529	IP20



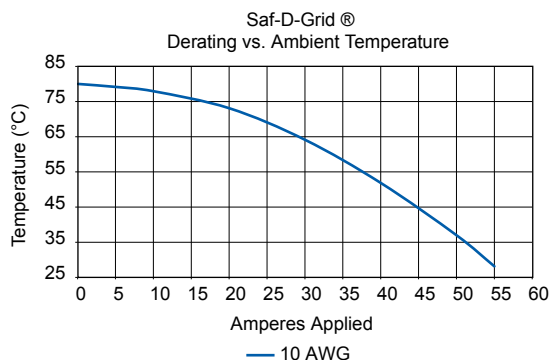
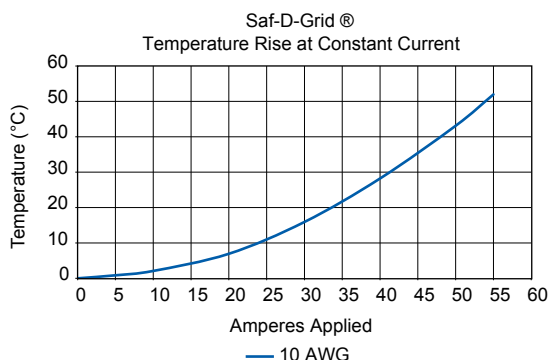
UL US File No. E26226

UL US LISTED File No. E343569

Materials (RoHS Compliant)	
Housing	• All other Receptacles & Plugs Polycarbonate UL94 V-0
Springs	Stainless Steel
Contacts	Copper, Silver Plate
Cable / Strain Relief	Thermoplastic UL94 V-2

<sup>A</sup> Tested with straight plug and flush mount receptacle with #14 AWG wire and 2003G1 contacts.

## TEMPERATURE CHARTS |



## UL 1977 & IEC 61984 RATINGS |

Receptacle Series	Wire Size	Conditions of Use	Agency Rating	Rated Current Amp	Rated Voltage AC / DC
Standard 2002G & Short 2005G	10 AWG Plug & Receptacle	Disconnect Only	CNR	35	600
			UL 1977	50	600
		Current Interrupt	UL 1977	30	400

## UL 817 RATINGS |

Connector Type / Cable Type	Wire Size	Disconnect Only (600V Max)	Current Interrupt (400V Max)
Straight Plug / STOW 600V	10 AWG	30	30

• UL1977 ratings are for recognized components under UL1977 file# E26226. Ratings may vary once the final listing category is considered. Do not exceed maximum operating temperature of connector or wire insulation. Ratings are based on an ambient temperature of 25°C. | • UL817 recognized or listed cord sets under UL file number E 343569. | • “Disconnect Only” indicates the devices are not for interrupting current. | • “Current Interrupt” indicates the devices have been investigated for the interruption of current. | • APP assembly tooling is required for UL, CSA & other safety agency compliance. Use of unapproved tooling will void connector warranty.

All Data Subject To Change Without Notice

15936, DS-SDG30A REV 1

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