

Fast, safe, efficient ballast installation

The IDEAL PowerPlug™ is perfect for new lighting installations and retrofit lighting applications. It's the first push-in luminaire disconnect that fully meets the National Electrical Code for non-residential fluorescent fixtures with ballasts.

2005 NEC 410.73(G), 2008 NEC 410.130(G)

Fits through 1/2" knockout

Both halves are "touch-safe" per UL 2459

Patented IDEAL push-in technology quickly locks wires in place



Luminaire Disconnect

FAST FACT:

The PowerPlug™ allows safe disconnect of hot and neutral ballast wiring.



6 Amp/600V



102
2-Wire

3 Amp/120V



103
3-Wire

3 Amp/120V



182
2-Wire

3 Amp/120V



183
3-Wire

PowerPlug™ 102: 6 Amps/600 Volts Max.

Wire Range	Line Side/Ballast Side
Solid	#12 – #18
Stranded	#12 – #14 (19 strand or less)
Stranded	#12 – #14 (19 strand or less)
Tin-Bonded	#16 (26 strand or less) #18 (16 strand or less)

PowerPlug™ 103: 3 Amps/120 Volts Max.

Wire Range	Line Side	Ballast Side
Solid	#12 – #18	#18
Stranded	#12 – #14 (19 strand or less)	None
Stranded	#12 – #14 (19 strand or less)	#18 (16 strand or less)
Tin-Bonded	#16 (26 strand or less) #18 (16 strand or less)	

PowerPlug™ 182/183: 3 Amps/120 Volts Max.

Wire Range	Line Side/Ballast Side
Solid	#18

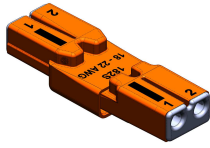
PowerPlug™
LUMINAIRE DISCONNECT



MODEL 182S



FEATURES/BENEFITS:



- 2 -CIRCUIT MATING CONNECTOR WITH PUSH-IN TERMINATIONS ALLOWS TOOL- FREE AND SIMPLE INSTALLATION AT OEM AND IN FIELD ON SOLID AND STRANDED WIRES
- LOW PROFILE HOUSING CONVENIENT FOR SMALL SPACES
- TOUCH-SAFE ON BOTH HALVES, MEETS UL/CSA REQUIREMENT
- WIPING CONTACT DESIGN PROVIDES RELIABLE DISCONNECT UNDER LOAD
- GREAT FOR LED, CFL, AND FLUORESCENT APPLICATIONS

ELECTRICAL:

VOLTAGE: 600 V MAX
 CURRENT: 3 A MAX
 CURRENT INTERRUPTION: 10 CYCLES

MECHANICAL:

18 AWG INSERTION FORCE: 3 LB (13 N) MAX
 1/2"KO (0.875" HOLE): COMPLIANT

PHYSICAL:

HOUSING: NYLON 94V-0
 CONTACTS: COPPER ALLOY
 PLATING: TIN
 TEMPERATURE: 105 C (221 F)
 STRIP LENGTH: 3/8" (9,5 mm)
 COLOR: ORANGE
 POLARIZED:

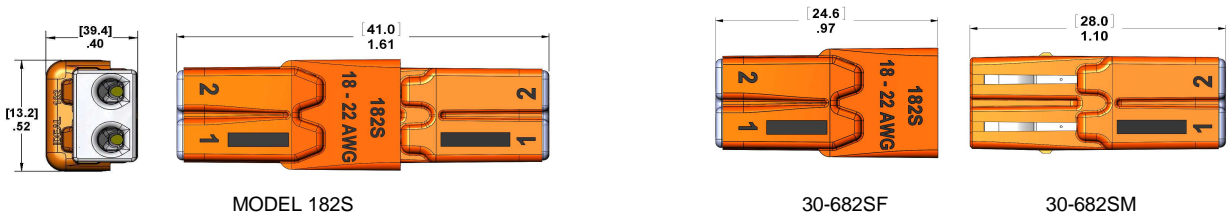
STANDARDS & SPECIFICATIONS:

UL 2459
 CSA C22.2 #182.3
 RoHS COMPLIANT
 NEC 2008 410.130(G) COMPLIANT
 CEC 30-308(4) COMPLIANT
 UL 94V-0 FLAME RATING
 US PATENTS: 7771217, 7527509
 OTHER US & FOREIGN PATENTS PENDING

WIRE RANGE:

	MODEL 182S
SOLID	18 AWG - 22 AWG
STRANDED	18 AWG (≤ 16 STRANDS)
TIN BONDED	18 AWG - 22 AWG

DIMENSIONS:



ORDERING INFO:

CATALOG #	MODEL	# CIRCUITS	PACKAGE TYPE:	WEIGHT LBS (KG):
30-682SM	182S	2 - MALE HALF	1,000 PIECE CARTON	4.5 (2,0)
30-682SF	182S	2 - FEMALE HALF	1,000 PIECE CARTON	4.2 (1,9)

FACTORY CONTACT:

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SALES CONTACT:



#30-682SM
#30-682SF

PowerPlug™ Disconnect - Model 182S
Installation Instructions:

WARNING		
	Electrical Shock Hazard. Contact with high voltage may cause falling, serious injury, or death. Disconnect power before servicing.	
	Electrical Fire Hazard. Use in application exceeding voltage and current ratings listed can cause an electrical fire resulting in serious injury or death. Only use in accordance with Tables 1, 2 and 3, and local electrical wiring code.	

Instructions:

Conductor installation:

1. Wiring must comply with all applicable electrical codes.
2. Turn off power before removing or installing disconnect.
3. Strip wires to 3/8 inch (9,5 mm).
4. Grip wire firmly and push conductor into port marked #1 on male connector half.
5. Repeat step 4 for port #2.
6. Repeat steps 4 and 5 for female connector half.
7. Use only one conductor per port and *assure that no copper is exposed on any of the wires inserted.*
8. See disconnect de-mate/mate installation instructions on this page when disconnecting the connector.
9. The wire insertion side of this product is listed for ONE TIME USE ONLY. DO NOT REMOVE AND REPLACE WIRES.

TABLE 1: Voltage/Current Combinations:

Voltage (V)	Current (A)
120	3
277	1.3
347	1
480	0.75
600	0.60

This disconnect can be used with other voltages under 600V. The current rating for other voltages can be determined by dividing 360W by the specific voltage. Example: $360W \div 120V = 3.0A$

TABLE 2: Wire Size & Type

Wire Type	Wire Size
Solid	18-22 AWG
Stranded	18 AWG (16 strand or less)
Tin Bonded	18-22 AWG (16 strand or less)

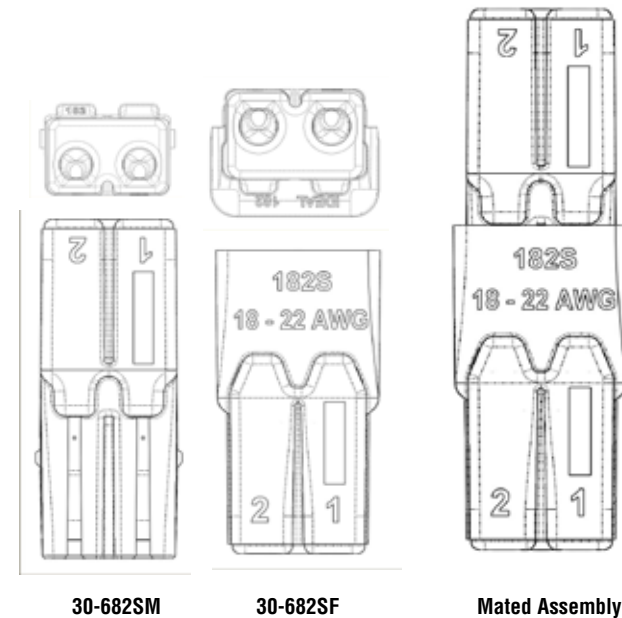
Copper to copper connections only. Do not use on Aluminum.

TABLE 3: Environmental Conditions

Environmental Conditions	Rating
Temperature Rating	105°C (221°C)
Flame Rating	UL94-0

Disconnect de-mate / mate installation

1. To de-mate, grasp disconnect at each end and pull apart to separate the disconnect halves. Do NOT pull on wires.
2. To mate the disconnect, grasp each disconnect half, align halves, and push together.
3. Completed connection should appear as shown.



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