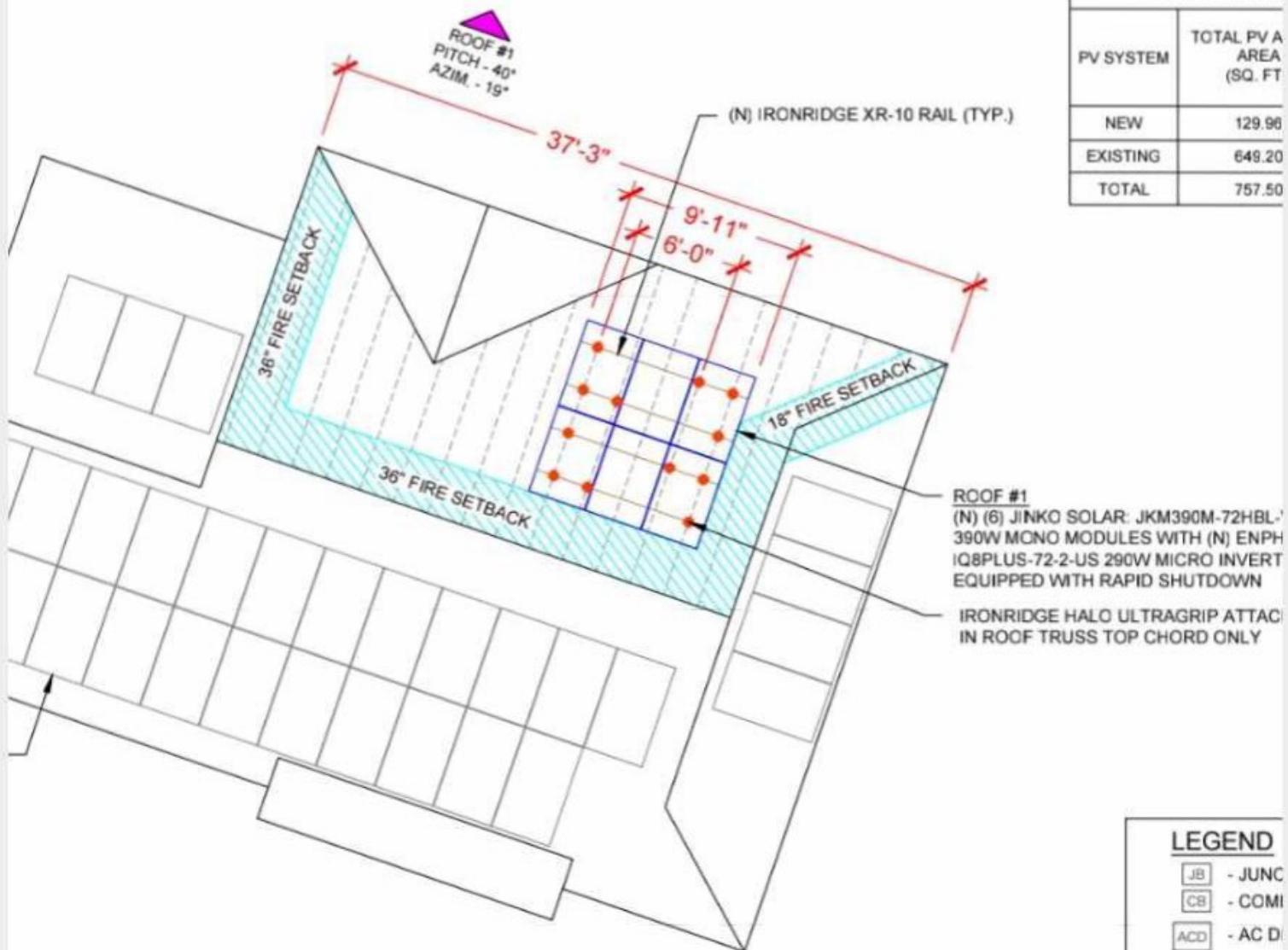


IT

DW MONO MODULES

ROOF		
ROOF TYPE		
ROOF LAYER		
ROOF	# OF MODULES	ROOF PITCH
#1	6	40°

ARRAY AREA	
PV SYSTEM	TOTAL PV A AREA (SQ. FT)
NEW	129.96
EXISTING	649.20
TOTAL	757.50



LEGEND	
[JB]	- JUNC
[CB]	- COMI
[ACD]	- AC D
[UM]	- UTILI
[MSP]	- MAIN
[SUB]	- SUBF
[VENT]	- VENT
■	- ROOF
—	- TRUS
—	- CONC

IS
-0°



ESTE L/D/DO A/DO
THIS SIDE DOWN

SPACER PAN
WING NUTS
WING NUTS
THIS SIDE DOWN

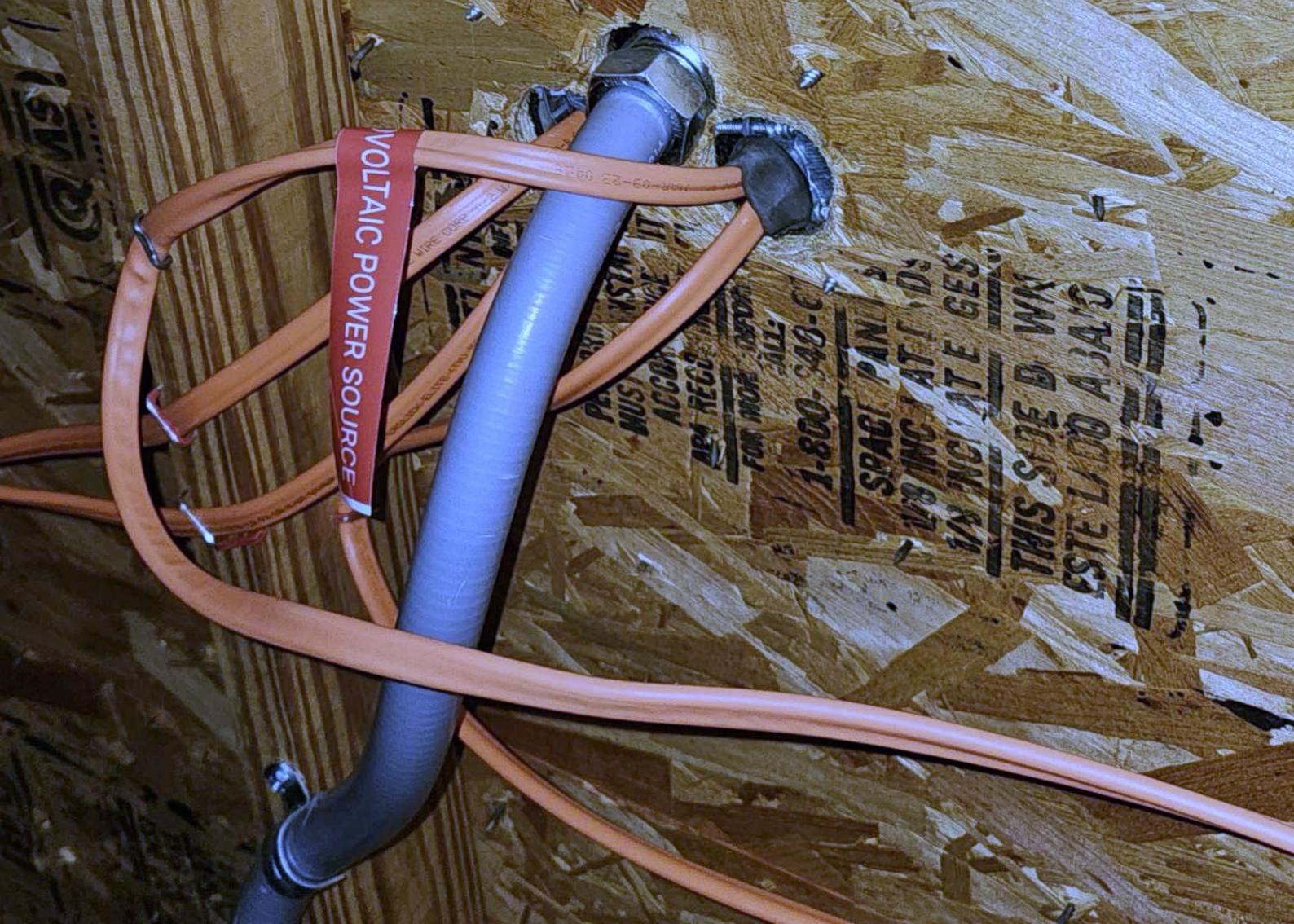
1800-0-0

FOR WIRE
ACCOM
ABR TIEG

PART NO.
MUS
ACC00
ABR TIEG

VOLTAIC POWER SOURCE

MAR-09-03 QDQ





VOLTAIC POWER SOURCE

JH W8



165





Building Your Trust in Solar

Made in Vietnam

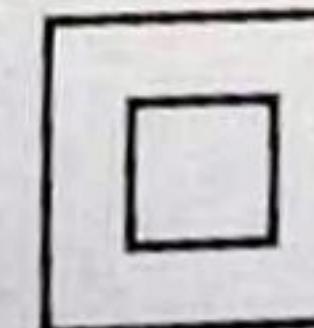
Jinko Solar Co., Ltd.
No.1, Yingbin Road, Economic
Development Zone, Shangrao
City, 334100 Jiangxi, P.R. China
www.jinkosolar.com

JKM425N-54HL4-B



PHOTOVOLTAIC MODULE OVER 600 VOLTS
E362479
JKVNE362479

UK
CA



CE

Maximum Power(Pmax)
Power Tolerance(IEC)
Maximum Power Voltage(Vmp)
Maximum Power Current(Imp)
Open Circuit Voltage(Voc)
Short Circuit Current(Isc)
Maximum System Voltage
Maximum Overcurrent Protection Rating
Power Sorting
Protection Class
Fire Class
Weight
Dimension
STC:1000W/m², AM1.5, 25°C

Type 1(UL)



▽ Pull to Refresh

Total device count: 37

[Edit device count](#)

IQ Gateway >

- ✓ 202241154673

IQ Microinverters & Array >

✓ Scanned	36/36
✓ Detected	36/36
✓ Communicating	36/36
✓ Array created	1
✓ Producing power	36/36
✓ Profile set	36/36



WARN

DE-ENERGIZE ALL
BEFORE INSTALLING
CT LEAD WIRES
(BELOW THIS DEAD
SAFETY HAZARD AND
EQUIPMENT DAMAGE
INSTALLED WHILE
CIRCUITS ARE ENERGIZED)





























DANGER	PELIGRO	DANGER
HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.	VOLTAJE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE.	TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.
Never operate switch with cover open.	Nunca opere el interruptor con la cubierta abierta.	Né jamais manœuvrer l'interrupteur lorsque le couvercle est ouvert.
If fused, turn OFF switch before removing or installing fuse.	Si el interruptor usa fusible, baje su palanca a la posición fuera "OFF" antes de retirar o instalar fusibles.	Si l'est muni d'un fusible, mettre l'interrupteur hors circuit (OFF) avant d'enlever ou d'installer un fusible.
Always use a properly rated voltage sensing device at all line and load side fuse clips (if fused) or load side terminals (if non-fused) to confirm switch is OFF.	Mida el voltaje con un dispositivo de medición adecuado en lado de carga de los clips de fusibles (si los usa) o en las terminales de carga (cuando no usa fusibles) para comprobar que el interruptor está desenergizado.	Toujours utiliser un dispositif de détection de la tension dont les valeurs nominales sont appropriées, et le côté charge du porte-fusible (muni d'un fusible) ou les bornes côté charge (sans fusible) pour confirmer que l'interrupteur est hors circuit (OFF).
Turn OFF power ahead of switch before doing any work inside. Replace all parts. Close cover before turning power ON.	Desconectar la alimentación del interruptor antes de trabajar dentro del mismo. Reemplazar todas las partes. Cerrar la cubierta antes de energizar el interruptor.	Couper l'alimentation en amont de l'interrupteur avant toute intervention. Remplacer les pièces. Fermer le couvercle avant de remettre sous tension.

DG222NRB



Series B
GENERAL DUTY SAFETY SWITCH
Type 3R Enclosure - Rainproof

TERMINALS SUITABLE FOR AL-CU WIRE.

INTERRUPTOR DE SEGURIDAD DE SERVICIO GENERAL
Gabinete NEMA 3R - A Prueba De Lluvia

TERMINALES ADECUADAS PARA CONDUCTORES DE AL-CU.

INTERRUPTEUR DE SÉCURITÉ À USAGE GÉNÉRAL

Enveloppe De Type 3R - A L'épreuve De La Pluie

BORNES CONVENANT POUR CONDUCTEURS AL-CU.

60 Amperes 120/240, 240, 127/220 V ~ 60Hz 3W S/N, 3H N/S, 3F N/S

Horserpower Ratings	KW(Caballos de potencia)	Régimes "Horsepowers"		
	1 Phase/1 Fase	3 Phase/3 Fase *	2 Pole/2 Polo	
Volts / Tension / Voltaje	Std. / Est	Max.	Std. / Est	Max.
120 / 127 ~	1 1/2 (1,119)	3 (2,238)	3 (2,238)	7 1/2 (5,60)
240 ~	3 (2,238)	10 (7,46)	7 1/2 (5,60)	15 (11,19)

*For grounded B Phase systems only.

Maximum fuse size 60A

The starting current of motors of more than the standard horsepower ratings may require the use of fuses with appropriate time-delay characteristics. Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.

Suitable for use as service equipment.

Suitable for use on a circuit capable of delivering not more than 100,000 RMS symmetrical amperes, 240V - maximum, when Class R fuses are used. Fuse kit DS16FK is required for R fuses.

DANGER-Unless Class R fuses are used, this switch may present a risk of fire and personal injury if installed on circuits capable of delivering more than 10,000 RMS symmetrical amperes.

When used with Class K or H fuses, suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes, 240 volts maximum.

Experience has shown that renewable fuses can cause overheating problems and thus the use of renewable fuses is not recommended.

Use 60°C or 75°C wire.

Lug torque / Hex across flats / 5/32" / 100 LB.-In

Wire range

14 - 1/0 AWG, 2.1 a 53,5 mm² AL - CU

Accessories

Install per instructions supplied with kit.

R fuse kit DS16FK

Ground lug kit DG030GB

Neutral kit DG100NB

3/4" (19.05mm) Hub size DS075H1

1" (25.40mm) Hub size DS100H1

1 1/4" (31.75mm) Hub size DS125H1

1 1/2" (38.10mm) Hub size DS150H1

2" (50.80mm) Hub size DS200H1

Accesorios

Instalar de acuerdo a instrucciones incluidas en los accesorios.

Juego adaptador para fusible tipo "R" DS16FK

Juego de partes para terminal de tierra DG030GB

Juego de neutro DG100NB

3/4" (19.05mm) Tamano de cople DS075H1

1" (25.40mm) Tamano de cople DS100H1

1 1/4" (31.75mm) Tamano de cople DS125H1

1 1/2" (38.10mm) Tamano de cople DS150H1

2" (50.80mm) Tamano de cople DS200H1

Accessoires

Installer conformément aux directives fournies avec l'ensemble.

Ensemble pour fusible R DS16FK

Ensemble de bornes de MALT DG030GB

Ensemble de neutres DG100NB

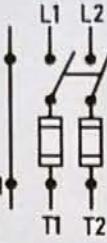
3/4" (19.05mm) Calibre des manchons DS075H1

1" (25.40mm) Calibre des manchons DS100H1

1 1/4" (31.75mm) Calibre des manchons DS125H1

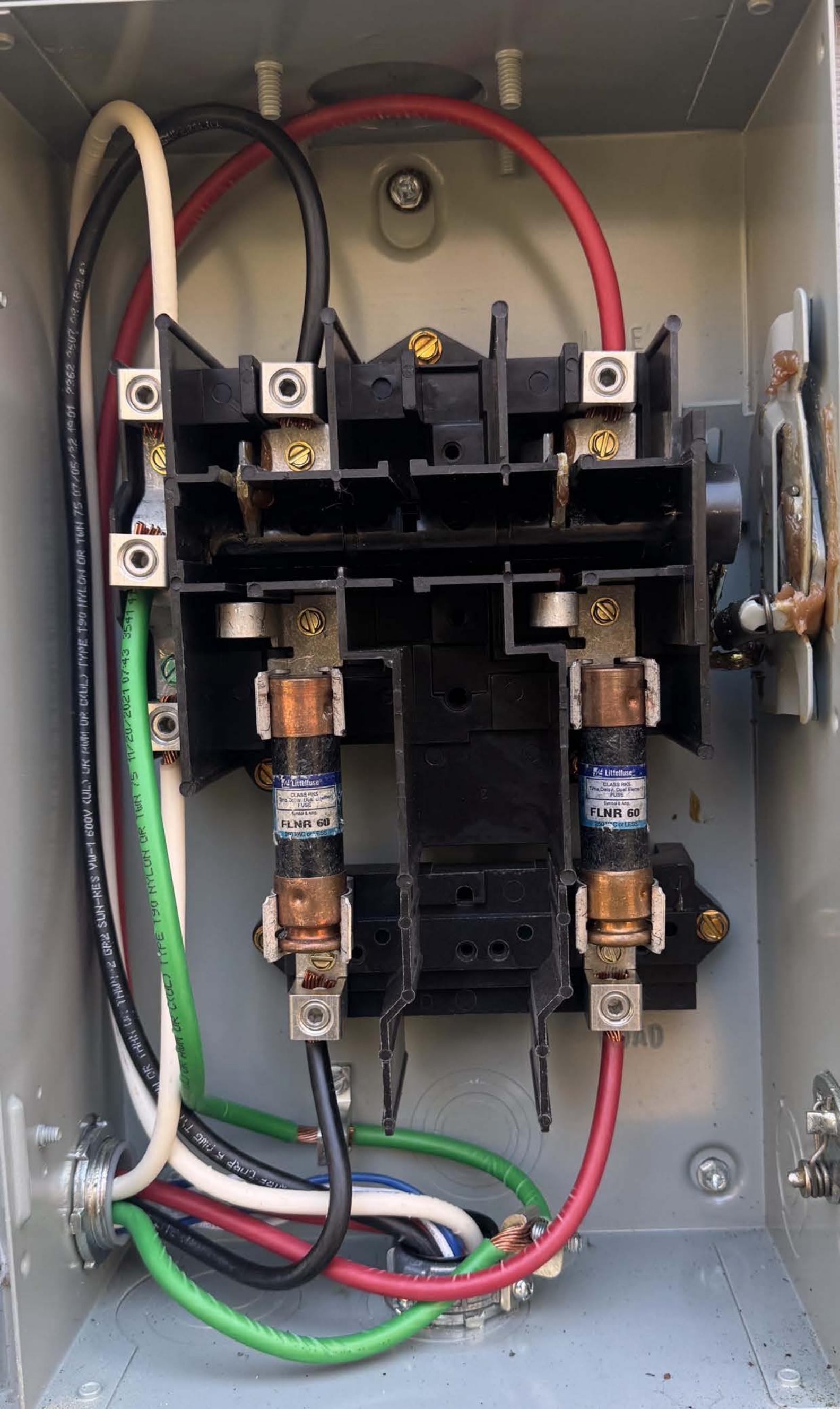
1 1/2" (38.10mm) Calibre des manchons DS150H1

2" (50.80mm) Calibre des manchons DS200H1

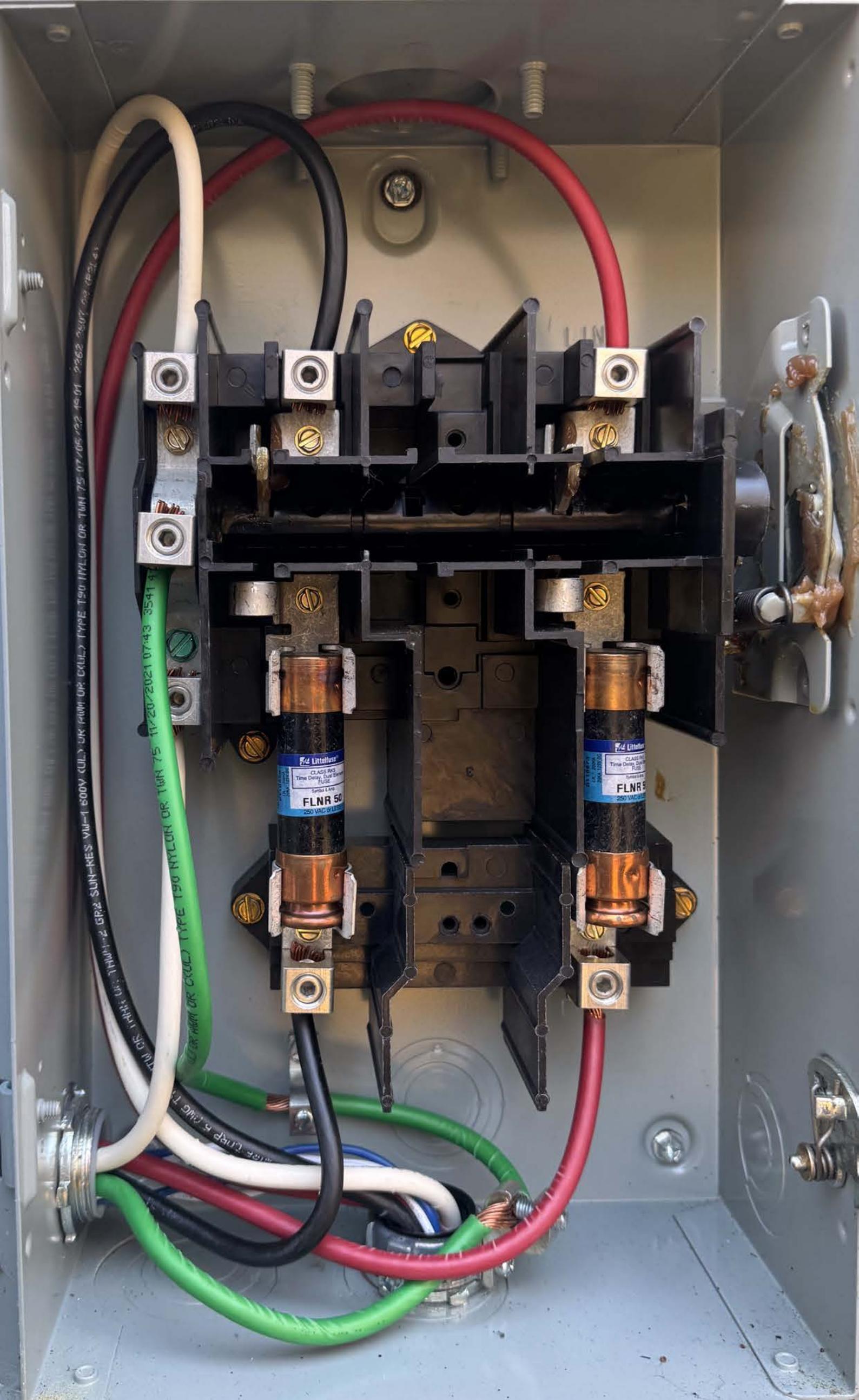


*Sólo para sistemas con falla a tierra en fase B.
Adecuado para usarse como equipo de acometida
Tamaño máximo de fusible de 60 amperios
La corriente de arranque de motores con capacidad mayor a los caballos de potencia estándar puede requerir del uso de fusibles con características de retardo de tiempo apropiadas.
La corriente de carga continua no debe exceder el 80% de la capacidad del fusible empleado, con excepción de los circuitos de motores.
Adecuado para usarse en circuitos capaces de entregar no más de 100 000 A RCM simétricos, con 240 V- máximo, cuando se utilizan fusibles clase R. El juego adaptador de fusibles DS16FK se requiere para fusibles clase R.
PELIGRO- a menos que se utilicen fusibles clase R, este interruptor puede presentar riesgos de incendio y daño personal si es instalado en circuitos con capacidad de entregar más de 10 000 A RCM simétricos. Cuando se utiliza con fusibles clase K o H, es adecuado para usarse en circuitos con capacidad de entregar no más de 10 000 A RCM simétricos, con 240 V- máximo.
La experiencia muestra que los fusibles renovables pueden causar problemas de sobrecalentamiento, por lo tanto, el uso de fusibles renovables no es recomendable.
Usar conductores para 60°C ó 75°C.
Par de apriete de terminales / Tornillo de cabeza hexagonal / 3.97 mm / 11.3 N.m
Rango de la sección transversal del conductor 14 - 1/0 AWG, 2.1 a 53.5 mm² AL - CU

*Seulement pour des systèmes de phase B MALT.
Approprié comme équipement d'entrée de service
Calibre maximum du fusible 60A
L'intensité de démarrage des moteurs plus élevée que pour les "horsepower" standards peut exiger l'utilisation de fusibles ayant des caractéristiques de temporisation appropriées.
Toute charge continue ne devra pas excéder 80% du calibre des fusibles utilisés sauf s'il s'agit de circuits de moteurs.
Convient a un circuit de 100,000 ampères efficaces symétriques au plus, 240V - maximum, lorsque des fusibles de classe R sont utilisés.
Ensemble de fusible DS16FK requis pour fusibles R.
DANGER- A moins d'utiliser des fusibles de classe R, cet interrupteur peut présenter des risques d'incendie et de blessures corporelles s'il est installé dans un circuit de plus 10,000 ampères efficaces symétriques.
Si utilisé avec des fusibles K ou H, l'interrupteur sera approprié pour utilisation sur un circuit ne délivrant pas plus de 10,000 ampères RMS symétriques, 240V maximum.
L'expérience démontre que l'utilisation de fusibles renouvelables peut causer des problèmes de surchauffe et, par conséquent, ces fusibles ne sont pas recommandés.
Utiliser conducteur 60°C ou 75°C.
Torque aux bornes / Vis à tête six pans / 5/32" / 100 LB.-Po.
Plage de conducteurs 14 - 1/0 AWG, 2.1 a 53.5 mm² AL - CU



Littelfuse®
CLASS RK5
Time Delay, Dual Element
FUSE
Symbol & Amp.
FLNR 60
250 VAC or ESS



Combiner LED & buttons quick reference guide



Enlighten communication LED

- Green when connected to Enphase's Enlighten cloud.
- Flashing green when connection to Enlighten or WPS is in progress.
- Solid amber when connected to local network only i.e., no internet.
- Off if no network is available.

AP mode LED

- Green when AP mode is enabled, and IQ Gateway Wi-Fi network is available.
- Off when AP mode is disabled.
- Off is default unless installer is using AP mode.

AP mode button

- Only used by installer during installation or to configure the system.
Starts IQ Gateway's wireless Access Point (AP) to connect mobile phone directly.

Power production LED

- Green light when all microinverters are producing power.
- Flashing green when an upgrade of the microinverters is in progress.
- Amber if one or more microinverters stop producing power.
- Flashing amber when microinverters are not yet detected.
- Off if all the microinverters stop producing or communicating.

Usually amber at dawn/dusk, off at night & flashing amber after IQ Gateway restarts.

Device communication LED

- Flashing green when IQ Gateway is scanning for microinverters.
- Green when all provisioned microinverters are communicating with IQ Gateway.
- Amber if one or more microinverters are not communicating with IQ Gateway.
- Off if all microinverters are not communicating with IQ Gateway.

Usually amber during dawn/dusk and off at night.

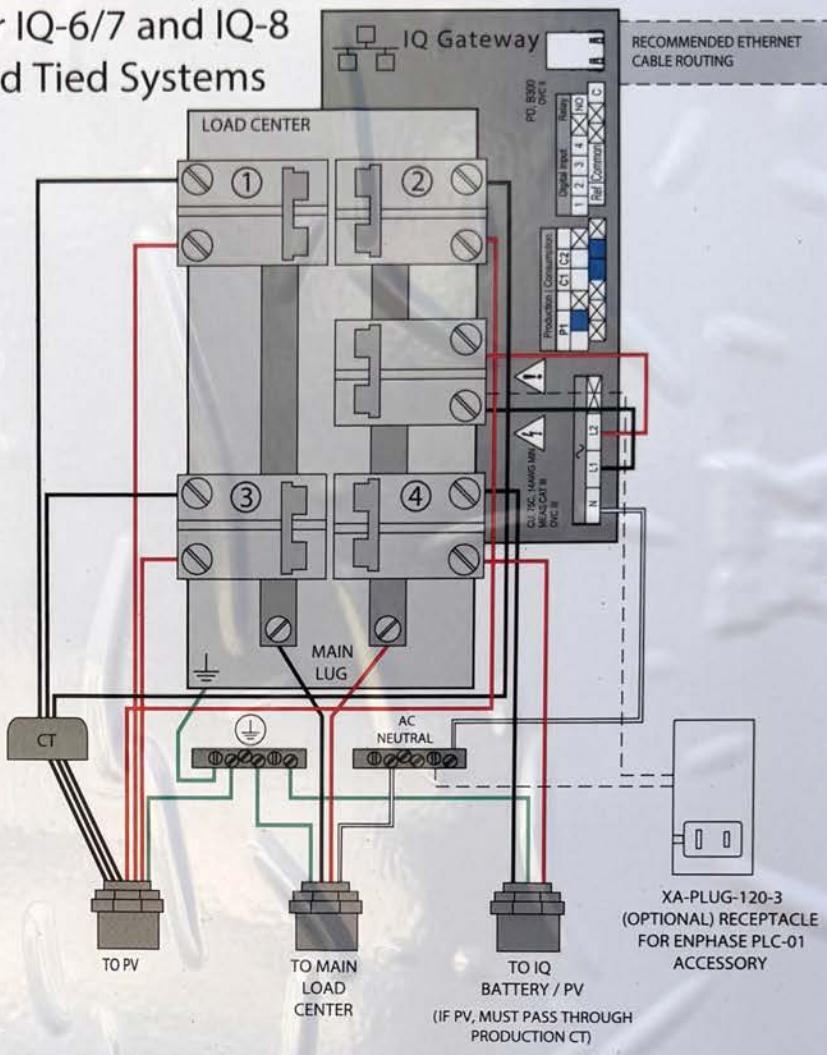
Device scan button

- Only used by installer during installation or to configure the system.
Starts/stops a 15-minute scan for devices over the power line.

All LEDs

- Flashing green when software upgrade is in progress.
- Flashing amber when IQ Gateway is booting up.

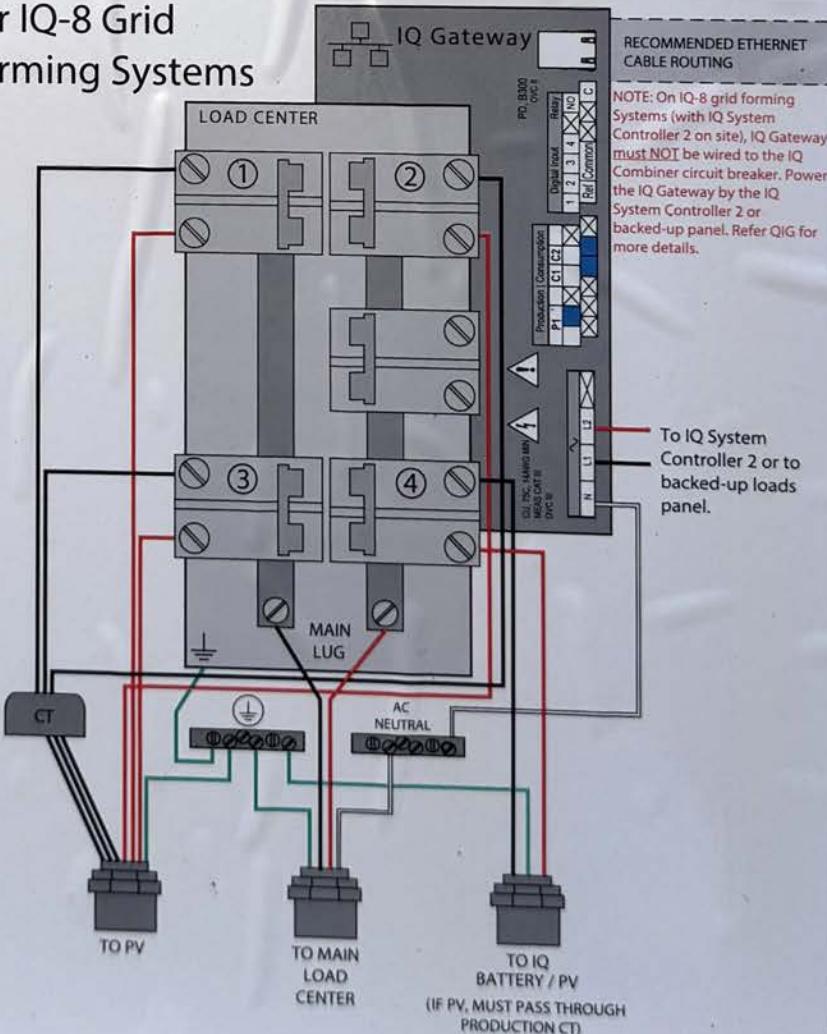
For IQ-6/7 and IQ-8 Grid Tied Systems



X A-PLUG-120-3
(OPTIONAL RECEPTACLE
FOR ENPHASE PLC-01
ACCESSORY)

(IF PV, MUST PASS THROUGH
PRODUCTION CT)

For IQ-8 Grid Forming Systems



RECOMMENDED ETHERNET
CABLE ROUTING

NOTE: On IQ-8 grid forming Systems (with IQ System Controller 2 on site), IQ Gateway must NOT be wired to the IQ Combiner circuit breaker. Power the IQ Gateway by the IQ System Controller 2 or backed-up panel. Refer QIG for more details.

ENPHASE.

IQ Combiner 4

Photovoltaic
Combiner Box
X-IQ-AM1-240-4



Electrical ratings

Voltage	240VAC, 60Hz
DG Breakers	80A MAX (combined)
DG Inputs	64A MAX (combined)
Output	65A MAX, 90A MAX feeder OCPD
Temperature	46°C MAX ambient
For DG breaker, use only Eaton BR series.	

202241154673

P/N:

883-00356 20 7761

Dedicated solar and DG Combiner Box - do not add loads
10 AMP or 15 AMP IQ Gateway Breaker not used for backfeed

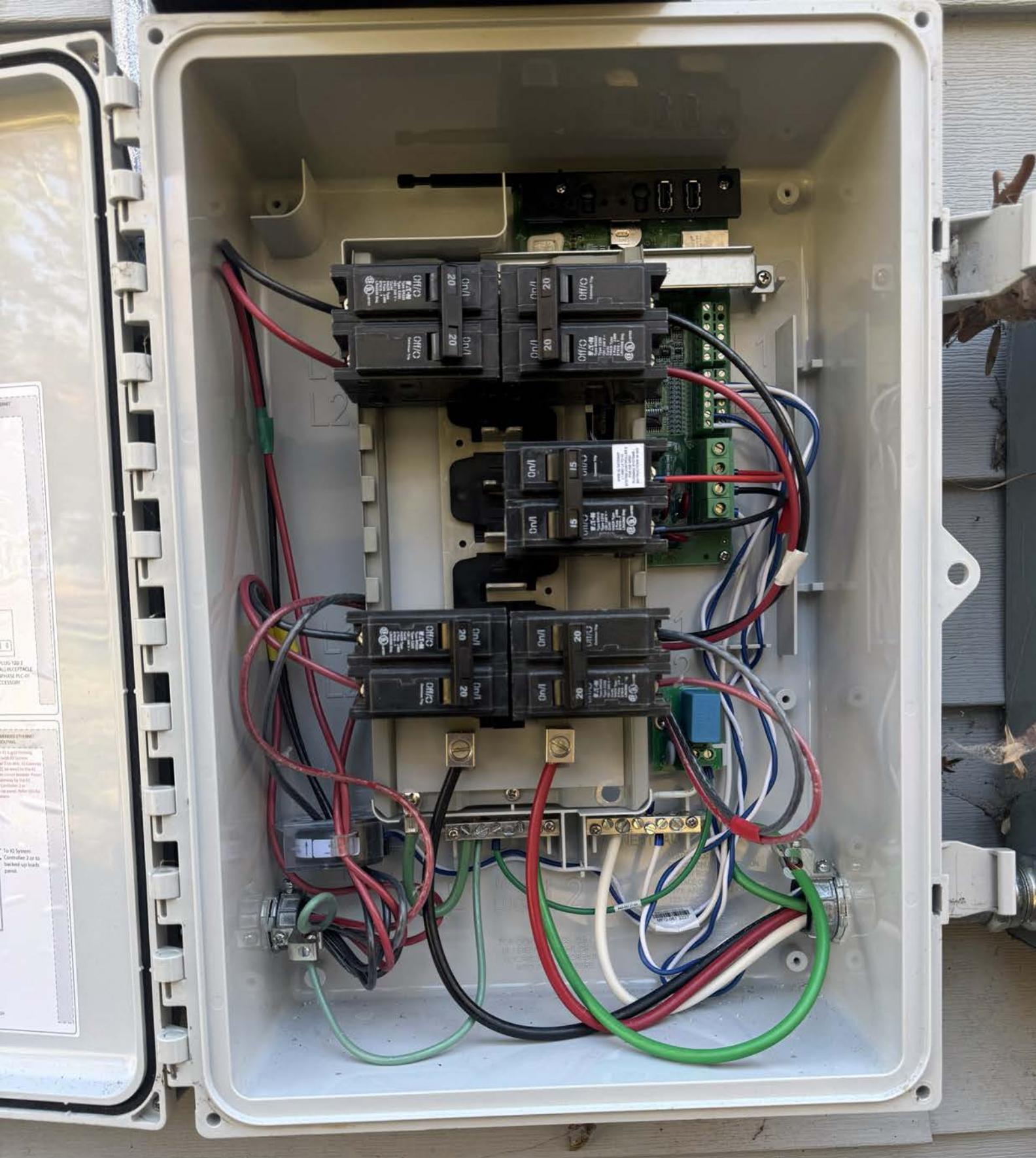
Connection	Wire sizes	Torque
DG Breaker (1, 2, 3, 4)	14-10 AWG	2.2 Nm (20 lb-in)
	8 AWG	2.8 Nm (25 lb-in)
	6-4 AWG	3.0 Nm (27 lb-in)
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm (45 lb-in)
IQ-Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
Neutral and ground	Large screw	2-1/0 AWG 5.6 Nm (45 lb-in) 14-3 AWG 5.1 Nm (45 lb-in)
	Small screw	6 AWG 3.6 Nm (32 lb-in) 8 AWG 2.6 Nm (23 lb-in) 10-14 AWG 2.3 Nm (20 lb-in)
Main lug	10-4 AWG 3-2/0 AWG	5.0 Nm (45 lb-in) 5.6 Nm (50 lb-in)

Copper conductors only, rated min. 75°C.

Follow NFPA 70 (NEC) or CSA C22.1 part 1, and all local codes.

For DG Breakers larger than 20A, use wire insulated for 90°C based on 75°C ampacities.

Designed in California and New Zealand
Made in Mexico





165 Jared Dr, Fuquay

MIN DC RATINGS
MAX AC RATINGS
ALLOWABLE WIRE
CURRENT OPERATING TEMP

1000 VDC/80 AMPS
300 VAC/80 AMPS
14-6 AWG
ISO - 475C

WARNING!

RISK OF ELECTRICAL SHOCK. 25-50 VOLTS
DANGER: ALL SOURCES ARE CONNECTED BEFORE THIS EQUIPMENT.
EACH CIRCUIT MUST BE INDIVIDUALLY DISCONNECTED
FOR SERVICE AND WHEN THE PHOTOVOLTAIC
ARRAY IS EXPOSED TO LIGHT. IT SUPPLIES VOLTAGE TO
THIS EQUIPMENT.

REFERS TO INSTALLATION MANUAL
VOLTMETER, 100 OHM DIAL
TORSION FOR ALL TORQUES & DOWNSIZES 2015-01
CONFORMS TO UL STANDARD 471A

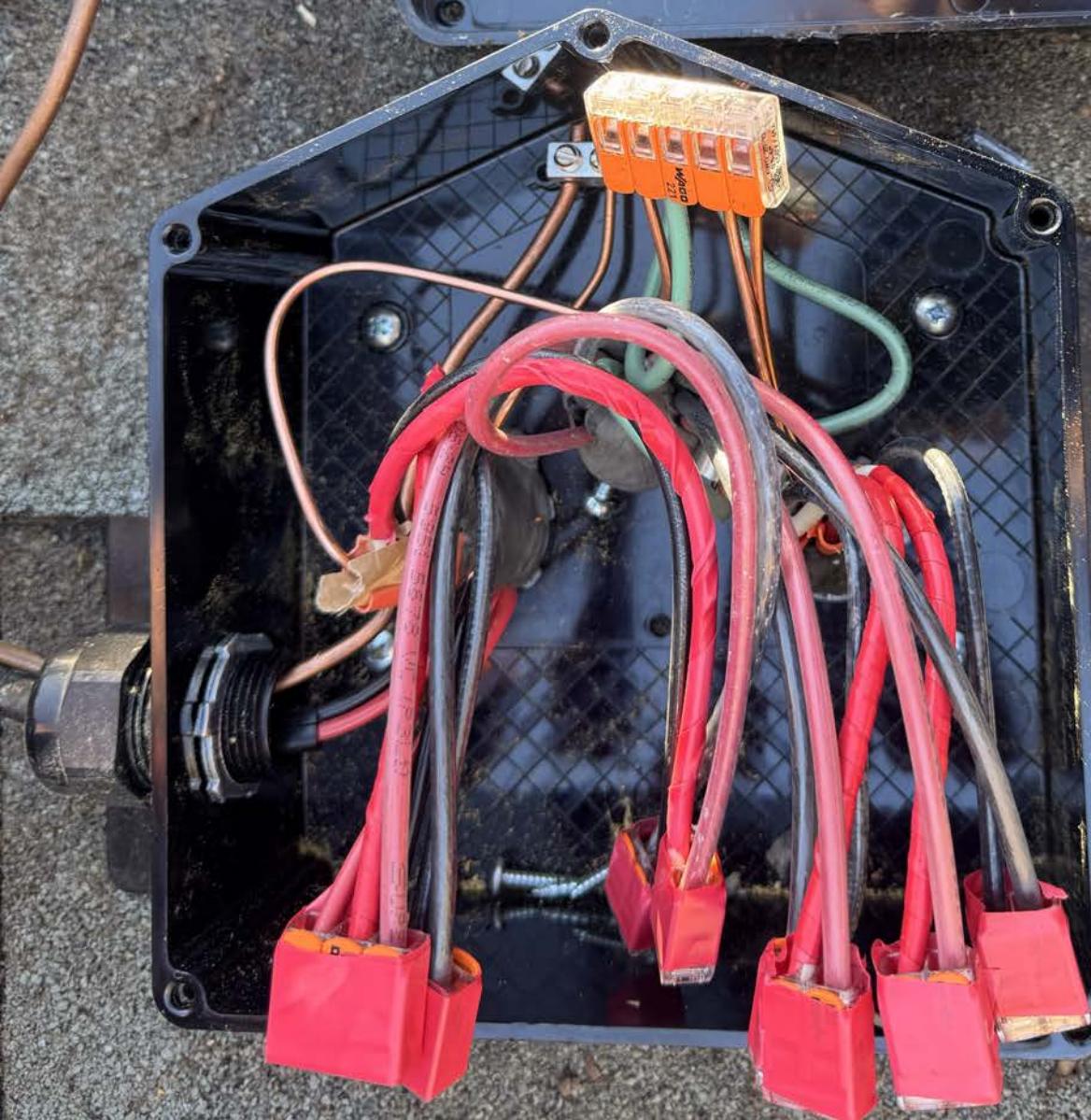


PC

Intertek

5019942

NEMA 3R



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WARNING

MAX DE RATING
MAX AC RATING
ALLOWABLE WIRE
AMBIENT OPERATING TEMP

100°C (212°F) MAX

100 VAC MAX

10 A MAX

120°C (248°F) MAX



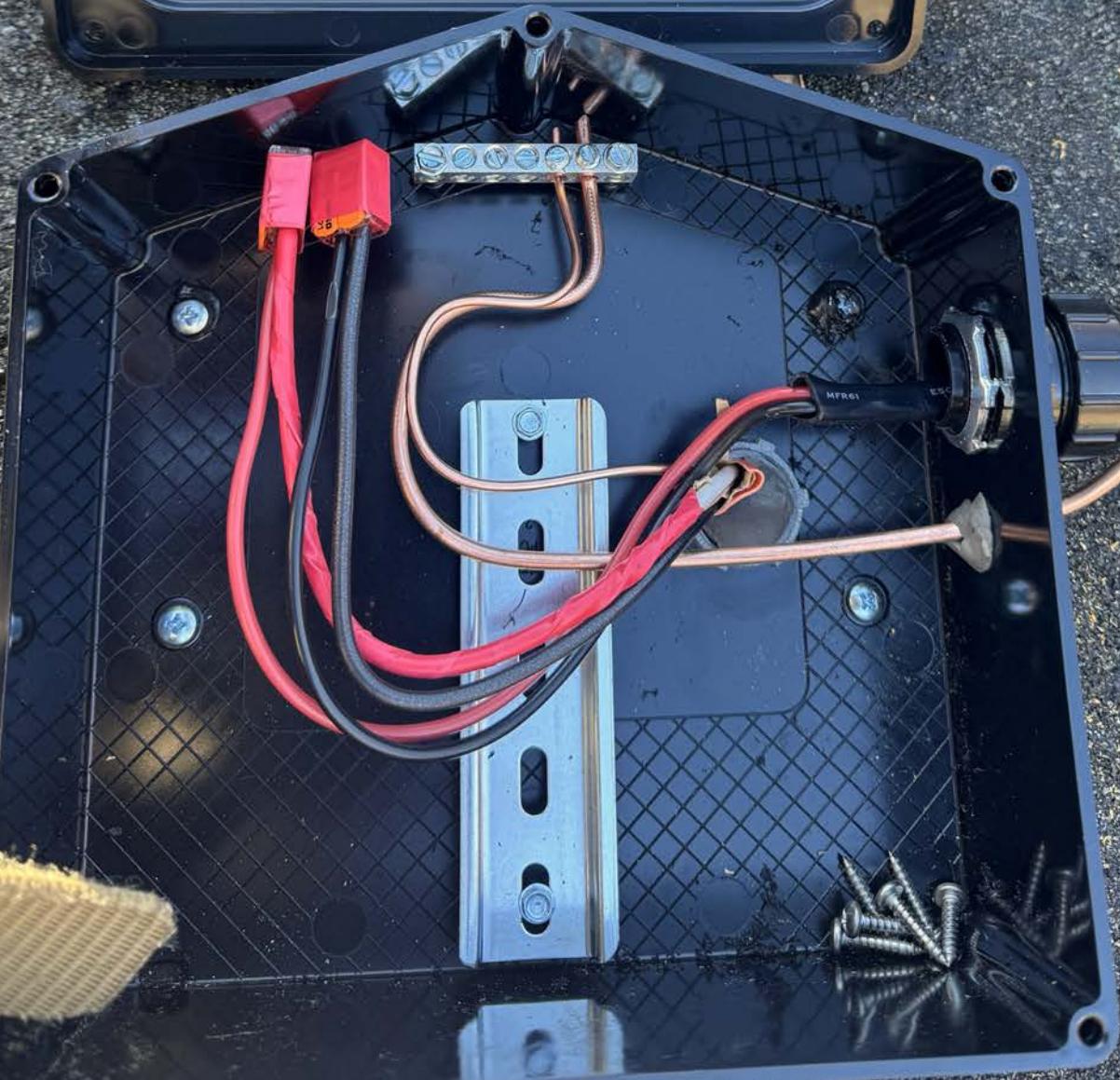
5019942

ULMA 3R



michael sperico

165 Jared dr fuquay-varina 27526







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482237085431 885 - 01384



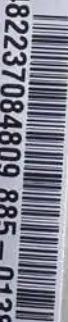
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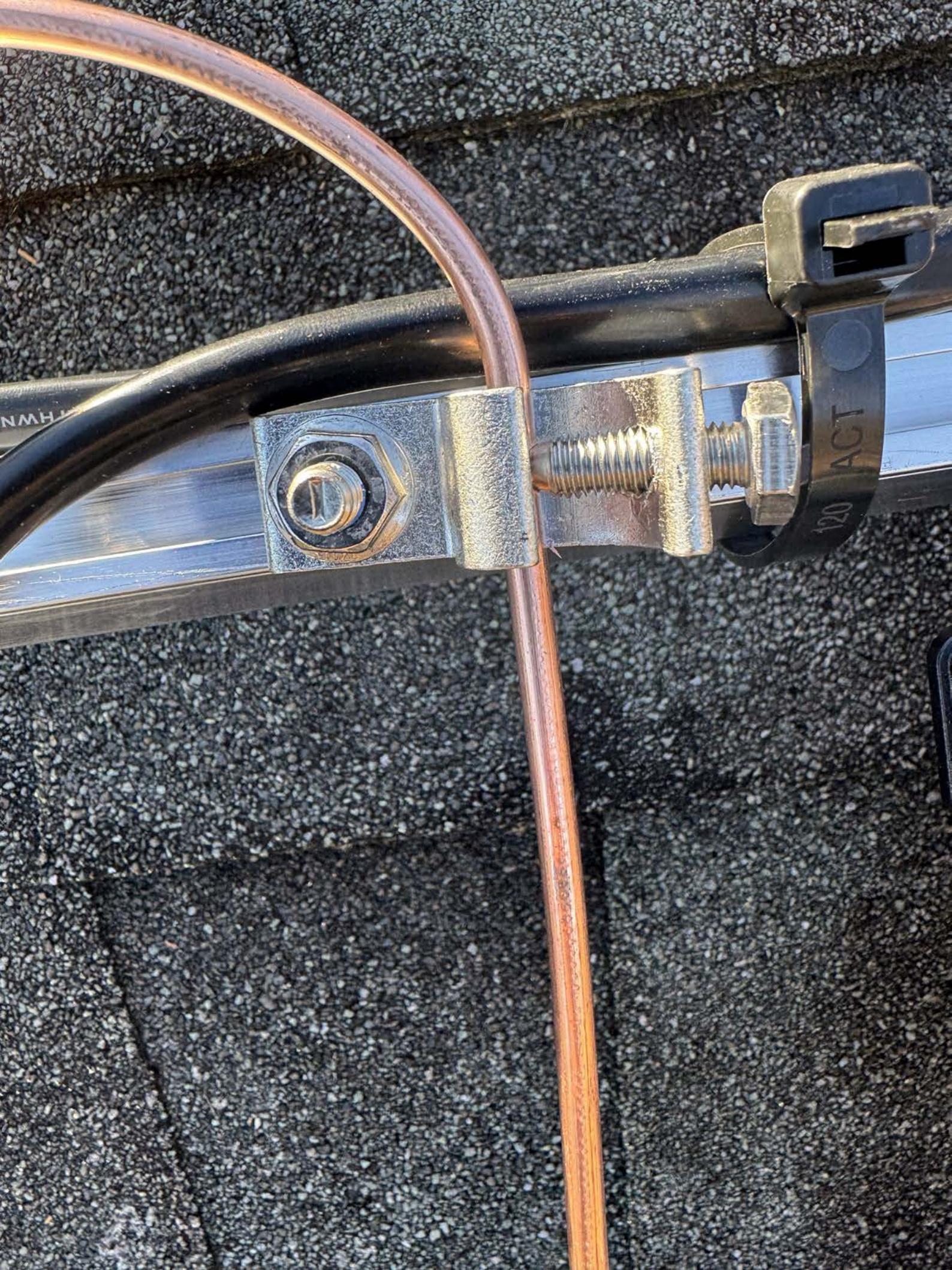
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482237084809 885 - 01384



90C dry / wet 2/C 12AWG -40C oil res i sunlight resistant FT4 sinbon rohs



IQ8PLUS-72-M-US
885-01384 02 7636 482237085406





