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CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

SECONDARY FAN CONTROL PANEL SUBMITTAL

SECTION 17441 - CONTROLS SYSTEM HARDWARE

January 23, 2026

ENGINEER: WRA

CONTRACTOR: JOHNSTON CONSTRUCTION

***MANUFACTURERS' REPRESENTATIVE FOR ENGINEERED INSTRUMENTATION,
PROCESS EQUIPMENT AND PUMPING SYSTEMS***

Branch Offices: RICHMOND, VA and LEOLA, PA

CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

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CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

General Comments:

1. The wiring schematics assume a $\frac{1}{4}$ HP motor with an FLA of 5.8. Please verify and confirm the motor nameplate details for the secondary fan motor.

Parts Index:

SHT	MANUFACTURER	MODEL	DESCRIPTION
1	SCE	SCE-16H1606SS6LP	Wall Mount Enclosure - NEMA 4X
1	SCE	SCE-16P16	Enclosure Back Panel
1	SCE	SCE-BVKD	NEMA 4X VENT/DRAIN
2	Schneider Electric	9001SKT38LGG31	PTT Light, 120VAC LED, Green
2	Schneider Electric	9001SKT38LRR31	PTT Light, 120VAC LED, Red
2	Schneider Electric	9001SKT38LYA31	PTT Light, 120VAC LED, Amber
3	Schneider Electric	XB4BA922	Manual Overload Reset Pushbutton
4	Schneider Electric	9001SKS43BH13	3 Position Switch, Black
5	Square D	BGL26015	Main Circuit Breaker, 15A
6	Weidmuller	9926251002	Circuit Breaker, 120VAC, 2A
7	Square D	8536-SAO11V02ES	NEMA MOTOR STARTER / OVERLOAD
7	Square D	B9.10	Thermal Motor Overload
8	Phoenix Contact	3046100	Fuse Terminal Block, 120VAC
8	Mersen	MI5HF25V2/100	Miniature Fuse, Fast Acting, 2A
9	Square D	9050JCK70V20	Repeat Cycle Timer, 0.5 Sec to 999 Hours
9	Square D	8501NR61	RELAY SOCKET, 120VAC, 11 PIN, DIN
10	Phoenix Contact	UT 2,5	Terminal Block
10	Phoenix Contact	UT 2,5-PE	Grounding Terminal Block
10	Phoenix Contact	D-UT 2,5-10	Terminal End Barrier
10	Phoenix Contact	E/NS 35 N	Terminal Anchor

CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

Data Sheet 1

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: SCE: Wall Mount Enclosure - NEMA 4X Model Number: SCE-16H1606SS6LP</p> <p>Tags/Service: ENC / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 0.075" stainless steel type 316/316L• Flange trough collar around all sides of door opening• Pour in place oil and water resistant gasket• Hasp and staple for padlocking• Stainless steel continuous hinges• Welded mounting provision top and bottom of back• #4 brushed finish on all exterior surfaces
1	<p>Mfg: SCE: Enclosure Back Panel Model Number: SCE-16P16</p> <p>Tags/Service: ENC / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 13"H x 13"W x 0.10"D flat subpanel• Powder coated white finish

1	<p>Mfg: SCE: NEMA 4X VENT/DRAIN Model Number: SCE-BVKD</p> <p>Tags/Service: DRAIN / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Drain and breather vent kit• Made of corrosion and UV resistant polycarbonate material• NEMA 4X rated• 10 in·lb installation torque
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WALL MOUNT ENCLOSURE - NEMA 4X

Saginaw Control and Engineering
95 Midland Road Saginaw, MI 48638-5770
(800) 234-6871 - Fax: (989) 799-4524
SCE@SaginawControl.com

SCE-16H1606SS6LP

TAGS: ENC

**Construction**

- ✿ 0.075 In. stainless steel Type 316/316L.
- ✿ Continuously welded seams ground smooth.
- ✿ Flange trough collar around all sides of door opening.
- ✿ Pour in place oil & water resistant gasket
- ✿ Collar studs 3/8-16 provided for mounting optional subpanels.
- ✿ Hasp and staple for padlocking.
- ✿ Stainless steel continuous hinges.
- ✿ Removable print pocket furnished if height and width of enclosure is greater than 12 Inches.
- ✿ Ground stud on door.
- ✿ Stainless steel clamps on three sides door when greater than 30 inch wide.
- ✿ Welded mounting provision top and bottom of back.

Application

Designed to house electrical and electronic controls, instruments and components in areas which may be regularly hosed down or are very wet conditions. Provides protection from dust, dirt, oil and water. For outdoor application a drip shield and drain vent is recommended.

For details about the design, performance expectations, applications and design suggestions - See Design Considerations
www.saginawcontrol.com/instman/considerations.pdf

Finish

#4 brushed finish on all exterior surfaces. Optional sub-panels are powder coated white.

Industry Standards - (IS6)

- ✿ NEMA Type 3R, 4, 4X, 12 and Type 13
- ✿ UL Listed Type 3R, 4, 4X and 12
- ✿ CSA Type 4, 4X and 12
- ✿ IEC 60529
- ✿ IP 66

Notes

Provision for Lifting Lugs on enclosures when Height >48" and Depth >16".
The Lifting Lug assembly will be included with the enclosure bolt pack.

Special Instructions apply for IS3, IS4 and IS6 to maintain the environmental rating of Type 3R for these parts. Instructions are located on the enclosure door. Drip shield is required on IS3, drip shield is recommended on IS4 and IS6. Drain holes are required on all.

Product Specifications:

Part Number: SCE-16H1606SS6LP
Description: Nema 4X LP Enclosure
Height: 16.00"
Width: 16.00"
Depth: 6.00"
Price Code: S3
List Price: \$1,057.48
Catalog Page: 270
Est. Ship Weight: 26.00 lbs

Optional Accessories

- SCE-16P16 Subpanel, Flat
- SCE-16P16GALV Subpanel, Flat Galvannealed
- SCE-BVK Breather Vent
- SCE-DS16SS Shield, S.S. Drip
- SCE-LPCLAMPSS Assembly, S.S. LP Clamp (2pcs)
- SCE-LPQR LP Style Quick Release Clamp Assy (Stainless)
- SCE-NADFKSS Kit, S.S. Swing Out Panel Mounting
- SCE-RD16H16SS6 Door, Replacement

Similar Part Numbers

- SCE-16H1206SS6LPNema 4X LP Enclosure
- SCE-16H1208SS6LPNema 4X LP Enclosure
- SCE-16H2006SS6LPNema 4X LP Enclosure
- SCE-20H1606SS6LPNema 4X LP Enclosure
- SCE-20H1608SS6LPNema 4X LP Enclosure
- SCE-20H1610SS6LPNema 4X LP Enclosure
- SCE-20H2006SS6LPNema 4X LP Enclosure
- SCE-20H2408SS6LPNema 4X LP Enclosure
- SCE-24H1608SS6LPNema 4X LP Enclosure
- SCE-24H2006SS6LPNema 4X LP Enclosure

Installation Information

- ✿ Drip Shield Kit Assembly
- ✿ Swing Panel Assembly for LP Enclosures
- ✿ Clamp Fastened Single Door Enclosures (Stainless Steel)
- ✿ NEMA 12 and 4 Clamp Fastened Single Door Enclosure

**ENCLOSURE BACKPANEL**

Saginaw Control and Engineering
95 Midland Road Saginaw, MI 48638-5770
(800) 234-6871 - Fax: (989) 799-4524
SCE@SaginawControl.com

SCE-16P16**TAGS: ENC****Product Specifications:****Part Number:** SCE-16P16**Description:** Subpanel, Flat**Height:** 13.00"**Width:** 13.00"**Depth:** 0.10"**Price Code:** P3**List Price:** \$30.35**Catalog Page:** 444**Est. Ship Weight:** 6.00 lbs**Finish**

Powder Coated White.

Industry Standards - (IS17)

- ✿ NEMA Not Applicable
- ✿ UL Not Applicable
- ✿ CSA N/A

~~**Similar Part Numbers**~~~~SCE-10P10Subpanel, Flat~~~~SCE-10P6Subpanel, Flat~~~~SCE-10P8Subpanel, Flat~~~~SCE-12DLP128Subpanel, Flat~~~~SCE-12P10Subpanel, Flat~~~~SCE-12P12Subpanel, Flat~~~~SCE-12P12CSubpanel, Flat~~~~SCE-12P16CSubpanel, Flat~~~~SCE-12P20CSubpanel, Flat~~~~SCE-12P24Subpanel, Bent~~~~**Installation Information**~~

- ✿ Sub-Plate Layout & Grounding for 10-32



NEMA 4X VENT/DRAIN

Saginaw Control and Engineering
95 Midland Road Saginaw, MI 48638-5770
(800) 234-6871 - Fax: (989) 799-4524
SCE@SaginawControl.com

SCE-BVKD

TAGS: DRAIN

Product Specifications:

Part Number: SCE-BVKD**Description:** Drain, Breather Vent Kit**Height:** 2.00"**Width:** 2.00"**Depth:** 2.00"**Price Code:** P2**List Price:** \$11.70**Catalog Page:** 397**Est. Ship Weight:** 0.25 lbs**UL Recognized Type:** 1, 2, 3, 3R, 3RX, 3S, 4, 4X & 12**UL File:** E69392**Installation Torque:** 10 Inch Lb**Location used:** Bottom of Enclosure

~~Similar Part Numbers~~

~~SCE-BVK Breather Vent~~

Installation Information

- ✿ SCE-BVK, Breather Vent Kit
- ✿ SCE-BVKD, Breather Vent Kit Drain



Application

Designed for indoor or outdoor applications to handle the large negative pressure differential caused in a tightly sealed enclosure in extreme weather conditions or wash down applications that draw water into the enclosure. Adding a Breather Vent will help to equalize this pressure differential. Breather vents are made of corrosion and UV resistant Polycarbonate material.

Options

SCE-BVK can be installed on the side of your enclosure as a breather or installed on the bottom as a drain and vent. SCE-BVKD can be installed on the bottom of an enclosure as a drain and vent.

Industry Standards - (IS24)

- ✿ UL Component Recognized

Data Sheet 2

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Green Model Number: 9001SKT38LGG31</p> <p>Tags/Service: LT5208 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Plastic bezel material • 120VAC rated supply voltage • 1 C/O contact composition • 5000000 cycle mechanical durability • 0.55A rated operational current • Silver alloy contact material • 60kA, 7200VA rated short-circuit making capacity • 6kA, 720VA rated breaking capacity • Green fresnel polycarbonate lens • Green LED
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Red Model Number: 9001SKT38LRR31</p> <p>Tags/Service: LT5209 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Plastic bezel material • 120VAC rated supply voltage • 1 C/O contact composition

	<ul style="list-style-type: none"> • 5000000 cycle mechanical durability • 0.55A rated operational current • Silver alloy contact material • 60kA, 7200VA rated short-circuit making capacity • 6kA, 720VA rated breaking capacity • Red fresnel polycarbonate lens • Red LED
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Amber Model Number: 9001SKT38LYA31</p> <p>Tags/Service: LT5210 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Plastic bezel material • 120VAC rated supply voltage • 1 C/O contact composition • 5000000 cycle mechanical durability • 0.55A rated operational current • Silver alloy contact material • 60kA, 7200VA rated short-circuit making capacity • 6kA, 720VA rated breaking capacity • Amber fresnel polycarbonate lens • Yellow LED

Product data sheet

PTT LIGHT, 120VAC LED, GREEN

Specifications

TAGS: LT5208



Push-to-test pilot light, Harmony 9001SK, plastic, polycarbonate, fresnel lens, green, 30mm, LED green, 120V

9001SKT38LGG31

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001SK
Product or Component Type	Push-to-test pilot light
Device short name	9001SK
Type of operator	spring return
Operator profile	Green projecting, unmarked

Complementary

Bezel material	Plastic
Mounting diameter	1.2 in (30 mm)
Shape of signaling unit head	Octagonal
Light source	LED
Light source	LED
Bulb base	BA 9s
Light block supply	Direct
[Us] rated supply voltage	120 V AC/DC
[Us] rated supply voltage	120 V AC/DC
Contacts type and composition	1 C/O
Connections - terminals	Screw clamp terminals 1 x 0.22...2 x 1.5 mm ² IEC 60947-1
Tightening torque	7.08 lbf.in (0.8 N.m) IEC 60947-1
shape of screw head	Cross slotted
Mechanical durability	5000000 cycles
Operating position	Any position
[Ie] rated operational current	0.55 A 125 V, DC-13, A600-Q600 NEMA
[Ui] rated insulation voltage	250 V 3)IEC 60947-1
[Uiimp] rated impulse withstand voltage	2.5 kV IEC 60947-1
Contacts material	Silver alloy contacts
Positive opening	Without
Short-circuit protection	10 A cartridge fuse IEC 60947-5-1
[Ith] conventional free air thermal current	10 A

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[Icm] rated short-circuit making capacity	12 kA 600 V AC-15, 7200 VA 15 kA 480 V AC-15, 7200 VA 30 kA 240 V AC-15, 7200 VA → 60 kA 120 V AC-15, 7200 VA
Rated breaking capacity	1.2 kA 600 V AC-15, 720 VA 1.5 kA 480 V AC-15, 720 VA 3 kA 240 V AC-15, 720 VA → 6 kA 120 V AC-15, 720 VA 0.1 kA 600 V DC-13 0.27 kA 250 V DC-13 0.55 kA 125 V DC-13
Net Weight	0.430 lb(US) (0.195 kg)
Device presentation	Complete product
Cap/operator or lens colour	Green
Lens type	Fresnel
[Us] rated supply voltage	120 V
Light source colour	Green
Lens material	Polycarbonate
Size	30 mm

Environment

Standards	IEC 60947-5-1 UL 508 JIS C8201-5-1 IEC 60947-5-4 JIS C 852 CSA C22.2 No 14 IEC 60947-1 JIS C8201-1
Product Certifications	UL 508 NEMA
Protective treatment	TC
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Vibration resistance	7 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class II conforming to IEC 61140
IP Degree of Protection	IP65 IP66
NEMA degree of protection	NEMA 1 NEMA 12 NEMA 13 NEMA 2 NEMA 3 NEMA 3R NEMA 4 NEMA 4X

Ordering and shipping details

Category	US10CS121429
Discount Schedule	0CS1
GTIN	785901044482
Returnability	Yes

Country of origin MX

Packing Units

Unit Type of Package 1 PCE

Nbr. of units in pkg. 1

Package 1 Height 2.00 in (5.08 cm)

Package 1 Width 2.300 in (5.842 cm)

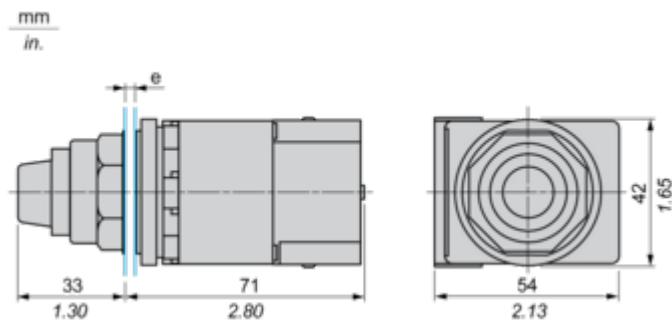
Package 1 Length 4.50 in (11.43 cm)

Package weight(Lbs) 4.32 oz (122.47 g)

Contractual warranty

Warranty (in months) 18

Dimensions Drawings

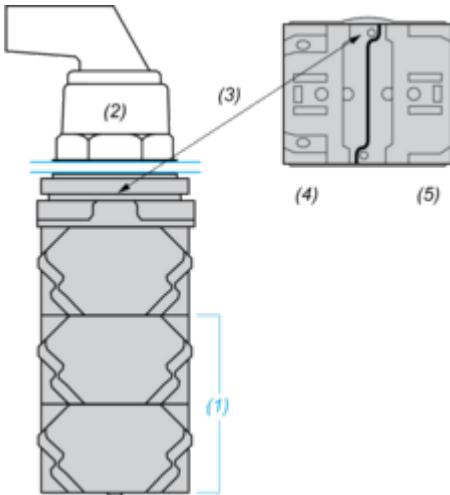
Dimensions

e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Contact Block Mounting Position

Top and Rear views



(1) It is possible to mount up to 3 levels of contacts blocks (maximum of 6 contacts blocks)

(2) Operator

(3) Locating notch

(4) Side 1

(5) Side 2

Product data sheet

PTT LIGHT, 120VAC LED, RED

Specifications

TAGS: LT5209



Push-to-test pilot light, Harmony
9001SK, plastic, polycarbonate,
fresnel lens, red, 30mm, LED red,
120V

9001SKT38LRR31

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001SK
Product or Component Type	Push-to-test pilot light
Device short name	9001SK
Type of operator	spring return
Operator profile	Red projecting, unmarked

Complementary

Bezel material	Plastic
Mounting diameter	1.2 in (30 mm)
Shape of signaling unit head	Octagonal
Light source	LED
Light source	LED
Bulb base	BA 9s
Light block supply	Direct
[Us] rated supply voltage	120 V AC/DC
[Us] rated supply voltage	120 V AC/DC
Contacts type and composition	1 C/O
Connections - terminals	Screw clamp terminals 1 x 0.22...2 x 1.5 mm ² IEC 60947-1
Tightening torque	7.08 lbf.in (0.8 N.m) IEC 60947-1
shape of screw head	Cross slotted
Mechanical durability	5000000 cycles
Operating position	Any position
[Ie] rated operational current	0.55 A 125 V, DC-13, A600-Q600 NEMA
[Ui] rated insulation voltage	250 V 3)IEC 60947-1
[Uimp] rated impulse withstand voltage	2.5 kV IEC 60947-1
Contacts material	Silver alloy contacts
Positive opening	Without
Short-circuit protection	10 A cartridge fuse IEC 60947-5-1
[ith] conventional free air thermal current	10 A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Icm] rated short-circuit making capacity	12 KA 600 V AC-15, 7200 VA
	15 KA 480 V AC-15, 7200 VA
	30 KA 240 V AC-15, 7200 VA
	60 KA 120 V AC-15, 7200 VA
Rated breaking capacity	1.2 KA 600 V AC-15, 720 VA
	1.5 KA 480 V AC-15, 720 VA
	3 KA 240 V AC-15, 720 VA
	6 kA 120 V AC-15, 720 VA
	0.1 KA 600 V DC-13
	0.55 KA 125 V DC-13
Net Weight	0.430 lb(US) (0.195 kg)
Device presentation	Complete product
Cap/operator or lens colour	Red
Lens type	Fresnel
[Us] rated supply voltage	120 V
Light source colour	Red
Lens material	Polycarbonate
Size	30 mm

Environment

Standards	UL 508 CSA C22.2 No 14 JIS C8201-5-1 JIS C 852 IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 JIS C8201-1
Product Certifications	UL 508 NEMA
Protective treatment	TC
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Vibration resistance	7 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class II conforming to IEC 61140
IP Degree of Protection	IP65 IP66
NEMA degree of protection	NEMA 1 NEMA 12 NEMA 13 NEMA 2 NEMA 3 NEMA 3R NEMA 4 NEMA 4X

Ordering and shipping details

Category	US10CS121429
Discount Schedule	OCS1
GTIN	785901044505
Returnability	Yes
Country of origin	MX

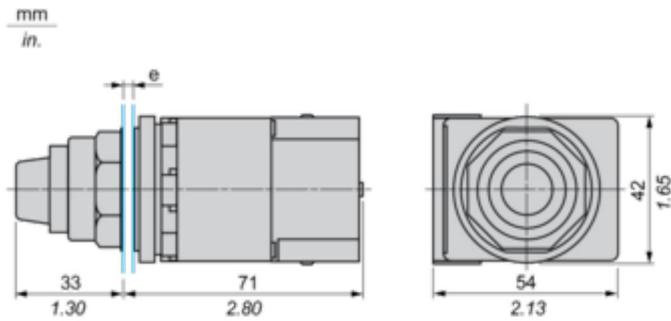
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.00 in (5.08 cm)
Package 1 Width	2.300 in (5.842 cm)
Package 1 Length	4.50 in (11.43 cm)
Package weight(Lbs)	4.32 oz (122.47 g)

Contractual warranty

Warranty (in months) 18

Dimensions Drawings

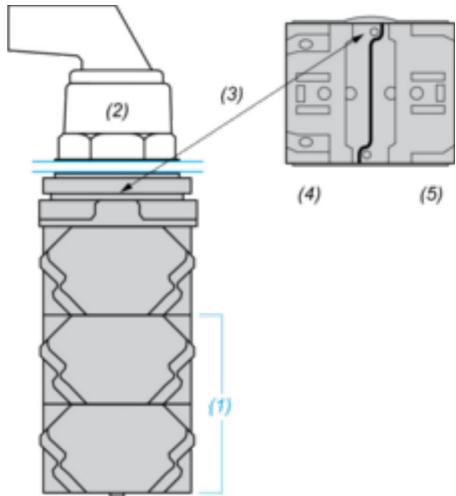
Dimensions

e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Contact Block Mounting Position

Top and Rear views



(1) It is possible to mount up to 3 levels of contacts blocks (maximum of 6 contacts blocks)

(2) Operator

(3) Locating notch

(4) Side 1

(5) Side 2

Product data sheet

PTT LIGHT, 120VAC LED, AMBER

Specifications

TAGS: LT5210



Push-to-test pilot light, Harmony 9001SK, plastic, polycarbonate, fresnel lens, amber, 30mm, LED yellow, 120V

9001SKT38LYA31

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001SK
Product or Component Type	Push-to-test pilot light
Device short name	9001SK
Type of operator	spring return
Operator profile	Amber projecting, unmarked

Complementary

Bezel material	Plastic
Mounting diameter	1.2 in (30 mm)
Shape of signaling unit head	Octagonal
Light source	LED
Light source	LED
Bulb base	BA 9s
Light block supply	Direct
[Us] rated supply voltage	120 V AC/DC
[Us] rated supply voltage	120 V AC/DC
Contacts type and composition	1 C/O
Connections - terminals	Screw clamp terminals 1 x 0.22...2 x 1.5 mm ² IEC 60947-1
Tightening torque	7.08 lbf.in (0.8 N.m) IEC 60947-1
shape of screw head	Cross slotted
Mechanical durability	5000000 cycles
Operating position	Any position
[Ie] rated operational current	0.55 A 125 V, DC-13, A600-Q600 NEMA
[Ui] rated insulation voltage	250 V 3)IEC 60947-1
[Uiimp] rated impulse withstand voltage	2.5 kV IEC 60947-1
Contacts material	Silver alloy contacts
Positive opening	Without
Short-circuit protection	10 A cartridge fuse IEC 60947-5-1
[Ith] conventional free air thermal current	10 A

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[Icm] rated short-circuit making capacity	12 kA 600 V AC-15, 7200 VA 30 kA 480 V AC-15, 7200 VA 60 kA 120 V AC-15, 7200 VA
Rated breaking capacity	1.2 kA 600 V AC-15, 720 VA 3 kA 480 V AC-15, 720 VA 6 kA 120 V AC-15, 720 VA 0.27 kA 250 V DC-13 0.55 kA 125 V DC-13
Net Weight	0.430 lb(US) (0.195 kg)
Device presentation	Complete product
Cap/operator or lens colour	Amber
Lens type	Fresnel
[Us] rated supply voltage	120 V
Light source colour	Yellow
Lens material	Polycarbonate
Size	30 mm

Environment

Standards	JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-5-4 IEC 60947-1 UL 508 JIS C 852 JIS C8201-1
Product Certifications	NEMA UL 508
Protective treatment	TC
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Vibration resistance	7 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class II conforming to IEC 61140
IP Degree of Protection	IP65 IP66
NEMA degree of protection	NEMA 1 NEMA 12 NEMA 13 NEMA 2 NEMA 3 NEMA 3R NEMA 4 NEMA 4X

Ordering and shipping details

Category	US10CS121429
Discount Schedule	0CS1
GTIN	785901500582
Returnability	Yes
Country of origin	MX

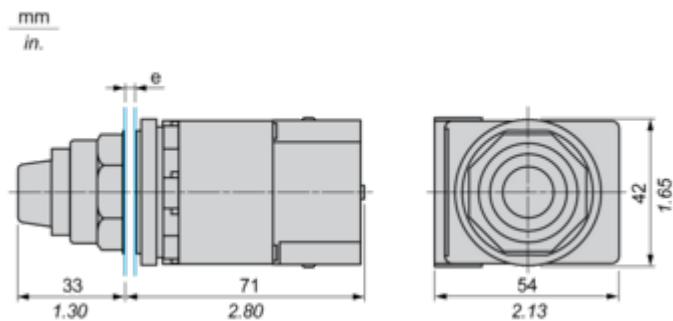
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	4.488 in (11.400 cm)
Package weight(Lbs)	4.233 oz (120.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	3.616 lb(US) (1.640 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	17.717 in (45.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	47.244 in (120.000 cm)
Package 3 Weight	142.154 lb(US) (64.480 kg)

Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

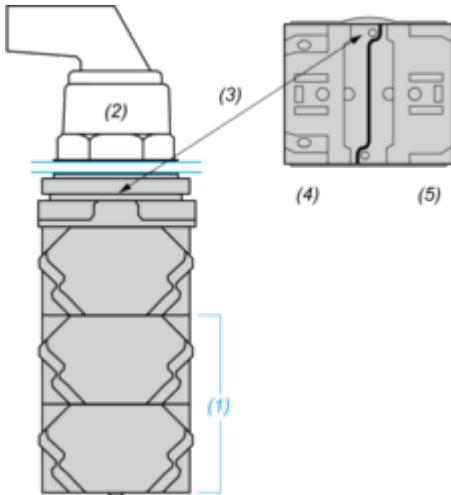
Dimensions

e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Contact Block Mounting Position

Top and Rear views



(1) It is possible to mount up to 3 levels of contacts blocks (maximum of 6 contacts blocks)

(2) Operator

(3) Locating notch

(4) Side 1

(5) Side 2

Data Sheet 3

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Schneider Electric: Manual Overload Reset Pushbutton Model Number: XB4BA922</p> <p>Tags/Service: RESET / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Chromium plated metal bezel• Zamak fixing collar material• Black flush, unmarked operator profile• 5.1...10.1" activating distance• NEMA 4X degree of protection• TH protective treatment

Product data sheet MANUAL OVERLOAD RESET PUSHBUTTON

Specifications

TAGS: RESET



XB4BA922

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony XB4
Product or Component Type	Manual overload reset push-button
Device short name	XB4
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Head type	Standard
Mounting diameter	0.9 in (22.5 mm)
Operator profile	Black flush, unmarked
Activating distance	5.1...10.1 in (130...257 mm)

Complementary

Net Weight	0.157 lb(US) (0.071 kg)
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Shape of signaling unit head	Round
Operating travel	0.6 in (14 mm)
Mechanical durability	5000000 cycles

Environment

Protective treatment	TH
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Electrical shock protection class	Class I conforming to IEC 60536
IP degree of protection	IP66 IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK03 conforming to IEC 50102
Standards	IEC 60947-5-5 JIS C8201-5-1 IEC 60947-1 CSA C22.2 No 14 IEC 60947-5-4 IEC 60947-5-1 UL 508 JIS C8201-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product Certifications	CSA DNV BV LROS (Lloyds register of shipping) UL Listed
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Ordering and shipping details

Category	US10CS222468
Discount Schedule	0CS2
GTIN	3389110102147
Returnability	Yes
Country of origin	FR

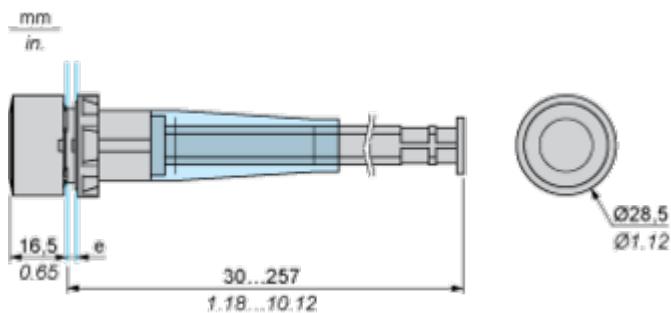
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.4 in (3.5 cm)
Package 1 Width	2.4 in (6.0 cm)
Package 1 Length	5.3 in (13.5 cm)
Package weight(Lbs)	2.5 oz (71.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	7.264 lb(US) (3.295 kg)

Contractual warranty

Warranty (in months)	18
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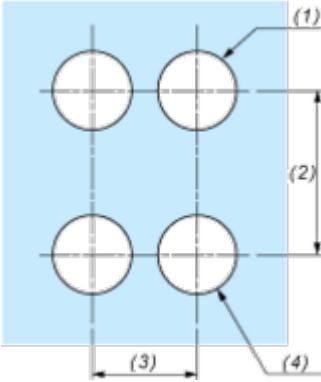
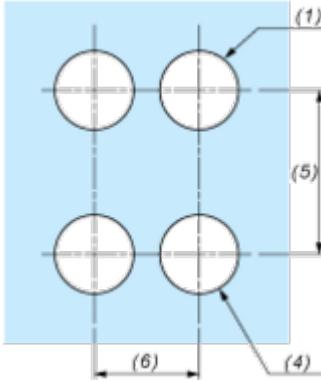
Dimensions Drawings

Dimensions

e: panel thickness: 1 to 6 mm / 0.04 to 0.24 in.

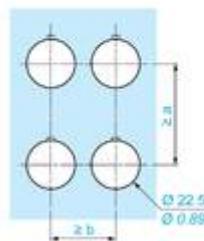
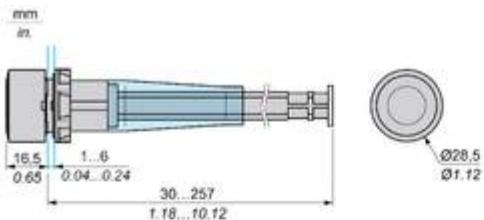
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
 <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended ($\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p>	 <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended ($\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p>

Technical Illustration

Dimensions



		a (mm) ZBE*****	a (in.) ZBV*****	b (mm)	b (in.)
ZBE*****	ZBV*****	40	1.57	30	1.18
ZBE*****3	ZBV*****3	45	1.77	32	1.26
ZBE*****4	ZBV*****4	40	1.57	30	1.18
ZBE*****5	ZBV*****5	50	1.97	30	1.18
ZBE*****9	ZBV*****9	40	1.57	30	1.18
ZBRT*	ZBRV1	40	1.57	30	1.18

Data Sheet 4

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	<u>Description</u>
1	<p>Mfg: Schneider Electric: 3 Position Switch, Black Model Number: 9001SKS43BH13</p> <p>Tags/Service: SS5205 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• Black standard knob operator profile• Stay put operator• 1 C/O contact composition• NEMA 4X degree of protection

Product data sheet

3 POSITION SWITCH, BLACK

Specifications

TAGS: SS5205



30mm Push Button, Type SK,
selector switch, 3 position, C cam,
black knob, 1NO and 1NC

9001SKS43BH13

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001SK
Product or Component Type	Selector switch
Device short name	9001SK
Type of operator	stay put
Operator profile	Black standard knob

Complementary

Bezel material	Plastic
Mounting diameter	1.2 in (30 mm)
Operator position information	3 positions
Contacts type and composition	1 C/O
Product compatibility	9001KA1 side 1 or 2
Device presentation	Complete product
Cap/operator or lens colour	Black
Operator profile	Standard handle
Type of operator	Stay put
Size	30 mm
Cam profile	3

Environment

Protective treatment	TC
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Electrical shock protection class	Class II conforming to IEC 61140
IP Degree of Protection	IP65 IP66
NEMA degree of protection	NEMA 3R/4X/13
Product Certifications	UL listed file E42259 CCN NKCR CSA LR24590 class 3211 03 CE

Ordering and shipping details

Category	US10CS121429
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Discount Schedule	0CS1
GTIN	785901043720
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.900 in (4.826 cm)
Package 1 Width	2.200 in (5.588 cm)
Package 1 Length	3.700 in (9.398 cm)
Package weight(Lbs)	3.040 oz (86.183 g)

Contractual warranty

Warranty (in months)	18
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Data Sheet 5

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Square D: Main Circuit Breaker, 15A Model Number: BGL26015</p> <p>Tags/Service: CB5201 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 15A line rated current• 2 pole circuit breaker• Toggle control type• 65kA breaking capacity• 65kA rated service breaking capacity• Thermal-magnetic trip unit technology• 80% continuous current rating• 20000 cycle mechanical durability• 10000 cycle electrical durability

Product data sheet

MAIN CIRCUIT BREAKER, 15A

Specifications

TAGS: CB5201



Circuit breaker, PowerPact B, 15A, 2 pole, 600Y/347VAC, 18kA, lugs, thermal magnetic, 80%

BGL26015

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 015
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	15 A
Number of Poles	2P
Control Type	Toggle
Breaking capacity code	G
Breaking capacity	65 kA 208Y/120 V AC 50/60 Hz UL 489 65 kA 240 V AC 50/60 Hz UL 489 35 kA 480/277 V AC 50/60 Hz UL 489 35 kA 480 V AC 50/60 Hz UL 489 18 kA 250 V DC UL 489 20 kA 600Y/347 V AC 50/60 Hz UL 489
[Ue] rated operational voltage	525 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	65 kA 220...240 V AC 50/60 Hz IEC 60947-2 18 kA 500...525 V AC 50/60 Hz IEC 60947-2 35 kA 380...415 V AC 50/60 Hz IEC 60947-2 35 kA 440 V AC 50/60 Hz IEC 60947-2
[Uiimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magnetic
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 cycles IEC 947-1 Annex K ed 5.2
Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 440 V In
Connection pitch	1.06 in (27 mm)
AWG gauge	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Local signalling	Presence of auxiliary contacts flag green)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Mounting mode	Clip-on 35 x 15 mm symmetrical DIN rail) By screws plate)
Electrical connection	Everlink lug, line Everlink lug, load
Tightening torque	44.3 lbf.in (5 N.m) 0.004...0.02 in ² (2.5...16 mm ²) (AWG 14...AWG 4) 79.7 lbf.in (9 N.m) 0.04...0.1 in ² (25...95 mm ²) (AWG 3...AWG 3/0)
Number of slots	1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in)
Power wire stripping length	0.8 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	6
Height	5.4 in (137 mm)
Width	2.1 in (54 mm)
Depth	3.1 in (80 mm)
Net Weight	1.695 lb(US) (0.769 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	NEMA AB1 UL 489 GB 14048.2 NMX J-266 EN/IEC 60947-2 EN/IEC 60947-5-1 CSA C22.2 No 5
Product certifications	UL IEC CCC EAC CSA NOM
IP degree of protection	Front cover IP40 IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)
Operating altitude	< 6561.68 ft (2000 m) without derating 5000 m with derating

Ordering and shipping details

Category	US10DE201131
Discount Schedule	0DE2
GTIN	3606481154019
Returnability	No
Country of origin	MX

Packing Units

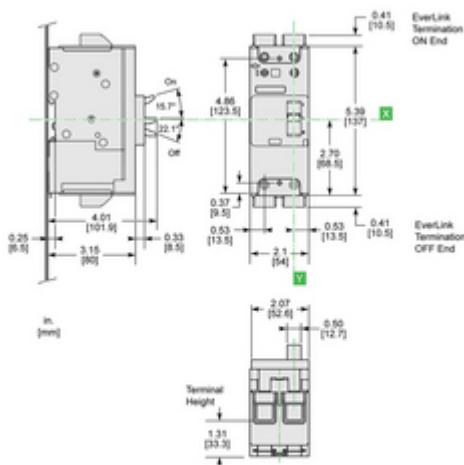
Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.4 in (6.1 cm)
Package 1 Width	6.5 in (16.5 cm)
Package 1 Length	10.2 in (25.9 cm)
Package weight(Lbs)	35.04 oz (993.4 g)

Contractual warranty

Warranty (in months)	18
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Technical Illustration

Dimensions



(L) TERMINATION OPTION - EverLink (ON end) / EverLink (OFF end)
ALL DIMENSIONS ARE APPROXIMATE.
ALSO REFER TO CAD, TECHNICAL DRAWINGS, AND DOCUMENTATION.

Data Sheet 6

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Weidmuller: Circuit Breaker, 120VAC, 2A Model Number: 9926251002</p> <p>Tags/Service: CB5204 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC operating voltage• 2A current rating• 10kA interrupting capacity• 100MΩ insulation resistance• 10000 mechanical operations operating life• -40...65°C operating temperature range

9926 Series Branch Circuit Breakers (AC)

Circuit Breakers
Hydraulic Magnetic Type

- 1, 2 and 3 pole versions
- 120/240 VAC, 50/60 Hz
- Up to 25A
- Just 13 mm wide, per pole
- Mounts on 35mm DIN-rail
- cULus listed according to UL489
CSA C22.2 No. 5.02, CE, VDE

9926 Series
Single Pole9926 Series
Double Pole9926 Series
Triple Pole

Technical Data		
Voltage	120/240 VAC, 50/60Hz	
Current minimum	0.5A	
Current maximum	25A	
Interrupting capacity	10,000A	
Dielectric strength	1500V, 50/60Hz	
Insulation resistance	100 MΩ	
Operating Life	10000 mechanical operations	
Operating temperature	-40...+65°C	
Wire size*		
*0.5-15A:	14AWG min., 10AWG max.	
20-25A:	10AWG min.	
Torque	20 in.-lb	

Type: Single Pole (up to 120 VAC)

Current Ratings (amps)	Description	Part No.
0.5	QL-1-13-DM-KM-0.5	9926251000
1	QL-1-13-DM-KM-0.7	9926251001
2	QL-1-13-DM-KM-02	9926251002
3	QL-1-13-DM-KM-03	9926251003
4	QL-1-13-DM-KM-04	9926251004
5	QL-1-13-DM-KM-05	9926251005
6	QL-1-13-DM-KM-06	9926251006
7	QL-1-13-DM-KM-07	9926251007
8	QL-1-13-DM-KM-08	9926251008
10	QL-1-13-DM-KM-10	9926251010
13	QL-1-13-DM-KM-13	9926251013
15	QL-1-13-DM-KM-15	9926251015
16	QL-1-13-DM-KM-16	9926251016
20	QL-1-13-DM-KM-20	9926251020
25	QL-1-13-DM-KM-25	9926251025

Type: Double Pole (up to 240 VAC)

Current Ratings (amps)	Description	Part No.
0.5	QL-2-13-DM-KM-0.5	9926252000
1	QL-2-13-DM-KM-01	9926252001
2	QL-2-13-DM-KM-02	9926252002
3	QL-2-13-DM-KM-03	9926252003
4	QL-2-13-DM-KM-04	9926252004
5	QL-2-13-DM-KM-05	9926252005
6	QL-2-13-DM-KM-06	9926252006
7	QL-2-13-DM-KM-07	9926252007
8	QL-2-13-DM-KM-08	9926252008
10	QL-2-13-DM-KM-10	9926252010
13	QL-2-13-DM-KM-13	9926252013
15	QL-2-13-DM-KM-15	9926252015
16	QL-2-13-DM-KM-16	9926252016
20	QL-2-13-DM-KM-20	9926252020
25	QL-2-13-DM-KM-25	9926252025

Type: Triple Pole (up to 240 VAC)

Current Ratings (amps)	Description	Part No.
1	QL-3(13)-DM-KM-1A	9926253001
2	QL-3(13)-DM-KM-2A	9926253002
5	QL-3(13)-DM-KM-5A	9926253005
10	QL-3(13)-DM-KM-10A	9926253010
15	QL-3(13)-DM-KM-15A	9926253015
20	QL-3(13)-DM-KM-20A	9926253020
25	QL-3(13)-DM-KM-25A	9926253025

Accessories

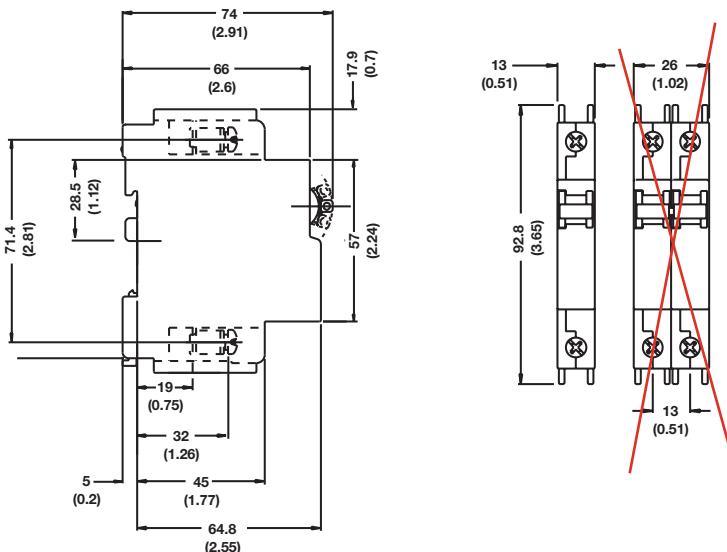
Type	Part No.
Bus-bar (1 pole, insulated, 1 m)	67101904
Bus-bar (2 pole, insulated, 1 m)	67101972
Bus-bar end cap, 1 pole	67101973
Bus-bar end cap, 2 pole	67101974
Power lug, straight (14 mm)	67101960
Power lug, 90° (14 mm)	67101961
Power lug, straight (32 mm)	67102480
Power lug, 90° (32 mm)	67102479
Lock-out handle	67101913

*Wire sizes: gauges specified are the minimum allowable as per CSA and UL standards.

The 9926 circuit breakers do not have provisions for marking tags. A possible solution is to cut the adhesive SchS2 tag rail to length (approximately 20 mm on a single pole unit so the current rating remains visible or approximately 30 mm on a two pole unit). The SchS2 accepts DEK, WS and ESG 8/17 marking tags. The part number for adhesive SchS2 is 1720600000.

See Trip Curves 1, 3, 9, KM, OP - Page 26

Dimension Diagrams in mm (in.)



Data Sheet 7

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Square D: NEMA MOTOR STARTER / OVERLOAD Model Number: 8536-SAO11V02ES</p> <p>Tags/Service: M5205 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Non-reversing starter type • NEMA size 00 • 9A rated current • 0.33HP at 115VAC • 120VAC 60 Hz coil voltage • Open enclosure type
2	<p>Mfg: Square D: Thermal Motor Overload Model Number: B9.10</p> <p>Tags/Service: OL5201 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Class 20 motor tripping class • Melting alloy thermal overload type

Product data sheet

NEMA MOTOR STARTER / OVERLOAD

Specifications

TAGS: M5205

SQUARE D



NEMA Motor Starter, Type S, nonreversing, Size 00, 9A, 1 HP at 230 VAC, up to 65 kA SCCR, 1 phase, 2 pole, bimetal, 120 VAC coil, open [TAA]

8536SAO11V02ES

Main

Product Type	Motor starter
Product Range	S
Starter Type	Non reversing

Complementary

NEMA Size	00
Rated Current	9 A
Number of Poles	2P
Maximum Voltage Rating	600 V AC
Phase	1 phase
Type of Overload	IEC adapted Bi-metal 3
Horsepower Rating	0.33 HP 115 V AC 1 HP 230 V AC
SCCR	Circuit-breaker 15 A maximum, SCCR: 65 kA at 480 V AC Circuit-breaker 15 A maximum, SCCR: 50 kA at 600 V AC Fuse J 30 A maximum, SCCR: 65 kA at 600 V AC Fuse CC 30 A maximum, SCCR: 65 kA at 600 V AC
Coil Voltage	110 V AC 50 Hz 120 V AC 60 Hz
Control Circuit Type	Separate control circuit
Control Units	No control units
Pilot Light	Without pilot light
Auxiliary Contacts	Without
Terminal Type	Screw clamp terminals
Height	6.81 in (172.96 mm)
Width	3.50 in (88.90 mm)
Depth	4.22 in (107.19 mm)

Environment

Enclosure Type	Not rated (open device)
Certifications	UL Listed CSA NEMA

Ordering and shipping details

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Category	21191 - 8502,36 SA,SB(NOT S*R,T,W)
Discount Schedule	CP1
GTIN	785901145240
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.50 in (11.43 cm)
Package 1 Width	6.00 in (15.24 cm)
Package 1 Length	8.100 in (20.574 cm)
Package weight(Lbs)	3.360 lb(US) (1.524 kg)

Compliance

Compliance	TAA
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Contractual warranty

Warranty (in months)	18
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Product data sheet

THERMAL MOTOR OVERLOAD

Specifications

TAGS: OL5201

SQUARE D

Thermal Unit, Type S, Type B,
melting alloy, Class 20



B9.10

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	B
Thermal overload type	Melting alloy
Motor tripping class	20

Ordering and shipping details

Category	US10CP121781
Discount Schedule	OCP1
GTIN	785901587460
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.800 in (2.032 cm)
Package 1 Width	1.200 in (3.048 cm)
Package 1 Length	2.50 in (6.35 cm)
Package weight(Lbs)	0.80 oz (22.68 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	6
Package 2 Height	0.800 in (2.032 cm)
Package 2 Width	3.400 in (8.636 cm)
Package 2 Length	4.900 in (12.446 cm)
Package 2 Weight	4.480 oz (127.006 g)

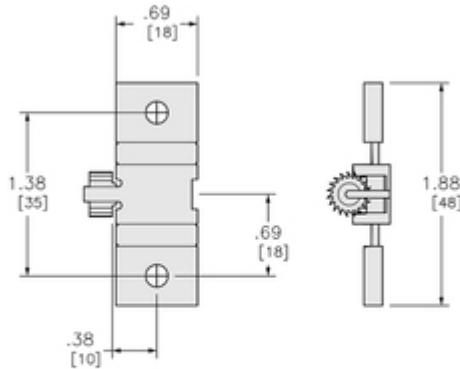
Contractual warranty

Warranty (in months)	18
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Technical Illustration

Dimensions

ALL DIMENSIONS ARE APPROXIMATE.
ALSO SEE CAD, TECHNICAL DRAWINGS, AND DOCUMENTATION.

Data Sheet 8

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Phoenix Contact: Fuse Terminal Block, 120VAC Model Number: 3046100</p> <p>Tags/Service: FU5204 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 4kV rated surge voltage • G / 5x20 fuse size • 110VAC...250VAC LED voltage range • 0.41mA...0.96mA LED current range • Category III overvoltage category
1	<p>Mfg: Mersen: Miniature Fuse, Fast Acting, 2A Model Number: MI5HF25V2/100</p> <p>Tags/Service: FU5204 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Quick acting fuse, 1500A I.R. AC rating • Ceramic body material • Brass, nickel plated contact caps • 2A current rating

UT 4-HESILA 250 (5X20) - Fuse modular terminal block

TAGS: FU5204

3046100

<https://www.phoenixcontact.com/pc/products/3046100>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 250 V, nominal current: 6.3 A, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- An extremely compact design
- Test pick-off on both sides in the fuse lever
- Tested for railway applications

Commercial data

Item number	3046100
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE1134
GTIN	4017918960957
Weight per piece (including packing)	17.12 g
Weight per piece (excluding packing)	16.485 g
Customs tariff number	85369095
Country of origin	DE

UT 4-HESILA 250 (5X20) - Fuse modular terminal block



3046100

<https://www.phoenixcontact.com/pc/products/3046100>

Technical data

Notes

General	The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected.
---------	---

Product properties

Product family	UT
Area of application	Railway industry Machine building Plant engineering
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overtoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Glass / ceramics / ...
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.02 W
Fuse	G / 5 x 20
LED voltage range	110 V AC/DC ... 250 V AC/DC
LED current range	0.41 mA ... 0.96 mA
Maximum power dissipation	max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload) max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload) max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit) max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit)

Input data

LED voltage range	110 V AC/DC ... 250 V AC/DC
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Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm

UT 4-HESILA 250 (5X20) - Fuse modular terminal block



3046100

<https://www.phoenixcontact.com/pc/products/3046100>

Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-3
Conductor cross-section rigid	0.14 mm ² ... 6 mm ²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
2 conductors with same cross section, rigid	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Nominal cross section	4 mm ²
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	250 V

Dimensions

Width	6.2 mm
Height	57.8 mm
Depth on NS 35/7,5	75.6 mm
Depth on NS 35/15	83.1 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

UT 4-HESILA 250 (5X20) - Fuse modular terminal block



3046100

<https://www.phoenixcontact.com/pc/products/3046100>

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-3
----------------------------------	---------------

Mounting

Mounting type	NS 35/7,5
	NS 35/15

MINIATURE FUSE, FAST ACTING, 2A

TAGS: FU5204

Fuses 5x20 - Quick acting - 5HF

IEC MINIATURE FUSES

5X20



FEATURES & BENEFITS

- 5x20
- Fast action
- Safe protection system

APPLICATIONS

- Electrical equipment
- Industrial power devices
- Circuit boards

STANDARDS

- IEC 60127-2 sheet 1

Mersen's 5HF miniature fuses cover a range including multiple amperages for 250VAC, for the protection of electrical distribution circuits and other industrial applications. These fuses are available in the size 5X20. 5HF miniature fuses are fast-acting fuses that protect your electrical equipment from the slightest high current. All our technology and processes are designed to ensure the best technical performance.

TECHNICAL DATA OVERVIEW

Voltage AC	250 VAC
Ratings (A)	0,1 A to 20 A
Speed/Characteristic	Quick acting
I.R. AC (IEC/UL)	1500 A
Body Material	Ceramic
Construction	50 mA - 500 mA : without extinguishing agent 630 mA - 16 A : with extinguishing agent
Contact caps	Brass, nickel plated



Fuses 5x20 - Quick acting - 5HF

PRODUCT RANGE

5X20 Fast Acting 5HF - Set of 100

Catalog number	Item number	Size	Rated voltage	Rated current I_n	Pre-arcng I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% I_n	Max. voltage drop
MI5HF25V0.1/100	G095548Q	5x20	250 V	0,1 A ¹	0.0035 A ² s	1500 A	0.44 W	2.29 V
MI5HF25V0.125/100	H095549Q	5x20	250 V	0,125 A ¹	0.0059 A ² s	1500 A	0.57 W	1.79 V
MI5HF25V0.16/100	J095550Q	5x20	250 V	0,16 A ¹	0.0055 A ² s	1500 A	0.55 W	1.7 V
MI5HF25V0.2/100	Q095556Q	5x20	250 V	0,2 A ¹	0.016 A ² s	1500 A	0.62 W	1.5 V
MI5HF25V0.25/100	R095557Q	5x20	250 V	0,25 A ¹	0.046 A ² s	1500 A	0.73 W	1.28 V
MI5HF25V0.315/100	S095558Q	5x20	250 V	0,315 A ¹	0.072 A ² s	1500 A	0.83 W	1.11 V
MI5HF25V0.4/100	T095559Q	5x20	250 V	0,4 A ¹	0.25 A ² s	1500 A	0.88 W	1.13 V
MI5HF25V0.5/100	V095560Q	5x20	250 V	0,5 A ¹	0.17 A ² s	1500 A	0.2 W	0.01 V
MI5HF25V0.63/100	W095561Q	5x20	250 V	0,63 A ¹	0.11 A ² s	1500 A	1.65 W	1.04 V
MI5HF25V0.8/100	X095562Q	5x20	250 V	0,8 A ¹	0.18 A ² s	1500 A	1.52 W	0.76 V
MI5HF25V1/100	Y095563Q	5x20	250 V	1 A ¹	0.17 A ² s	1500 A	0.99 W	0.3 V
MI5HF25V1.25/100	C095567Q	5x20	250 V	1,25 A ¹	0.58 A ² s	1500 A	0.72 W	0.2 V
MI5HF25V1.6/100	D095568Q	5x20	250 V	1,6 A ¹	0.89 A ² s	1500 A	1.10 W	0.22 V
MI5HF25V2/100	E095569Q	5x20	250 V	2 A	1.91 A ² s	1500 A	1.17 W	0.17 V
MI5HF25V2.5/100	F095570Q	5x20	250 V	2,5 A ¹	2.61 A ² s	1500 A	1.55 W	0.22 V
MI5HF25V3.15/100	G095571Q	5x20	250 V	3,15 A ¹	2.68 A ² s	1500 A	1.89 W	0.19 V
MI5HF25V4/100	H095572Q	5x20	250 V	4 A ¹	12.9 A ² s	1500 A	1.94 W	0.14 V
MI5HF25V5/100	J095573Q	5x20	250 V	5 A ¹	31.2 A ² s	1500 A	2.16 W	0.13 V
MI5HF25V6.3/100	K095574Q	5x20	250 V	6,3 A ¹	79.3 A ² s	1500 A	1.81 W	0.1 V
MI5HF25V8/100	J085407Q	5x20	250 V	8 A ²	86.7 A ² s	1500 A	3.08 W	0.13 V
MI5HF25V10/100	K085408Q	5x20	250 V	10 A ²	204.4 A ² s	1500 A	3.06 W	0.1 V
MI5HF25V12.5	G210341	5x20	250 V	12,5 A ²	433.3 A ² s	1500 A	3.22 W	0.87 V
MI5HF25V16	H210342	5x20	250 V	16 A ²	930.6 A ² s	1500 A	2.9 W	0.68 V
MI5HF25V20	J210343	5x20	250 V	20 A ²	-	1500 A	-	-

¹ No Semko Approval

² Set of 50

5X20 Fast Acting 5HF - Set of 1000

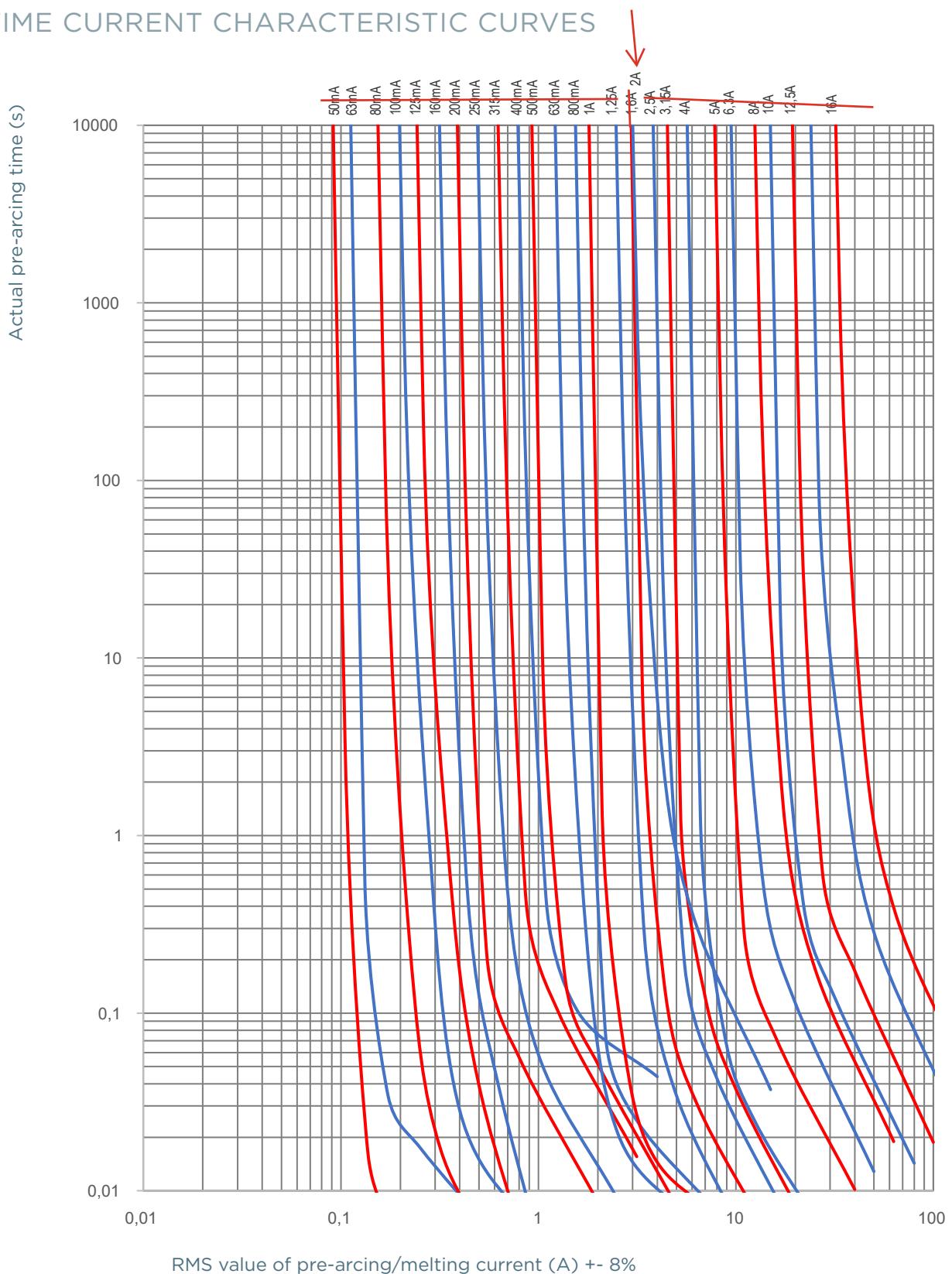
Catalog number	Item number	Size	Rated voltage	Rated current I_n	Pre-arcng I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% I_n	Max. voltage drop
MI5HF25V0.16/1000	J095550T	5x20	250 V	0,16 A	0.0055 A ² s	1500 A	0.55 W	1.7 V
MI5HF25V0.25/1000	R095557T	5x20	250 V	0,25 A	0.046 A ² s	1500 A	0.732 W	1.28 V
MI5HF25V0.315/1000	R095557T	5x20	250 V	0,315 A	0.072 A ² s	1500 A	0.829 W	1.11 V

5X20 Fast Action 5HF - Assortment Box

Catalog number	Item number	Size	Rated voltage	Rated current I_n
MIBOX5HF	B229863	5x20	250 V	0,1 to 6,3 A

Fuses 5x20 - Quick acting - 5HF

TIME CURRENT CHARACTERISTIC CURVES



Fuses 5x20 - Quick acting - 5HF

TECHNICAL CHARACTERISTICS

In - t characteristics

Rated current factor		Melting time :		
		50 mA - 3,15 A	4A - 10A	12,5 A - 16 A
1,5 - In	tmin	60 min	60 min	60 min
	tmax	-	-	-
2,1 - In	tmin	0	0	0
	tmax	30 min	30 min	30 min
2,75 - In	tmin	10 ms	10 ms	40 ms
	tmax	2 s	3 s	20 s
4 - In	tmin	3 ms	3 ms	10 ms
	tmax	300 ms	300 ms	1 s
10 - In	tmin	0	0	0
	tmax	20 ms	20 ms	30 ms

Data Sheet 9

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
1	<p>Mfg: Square D: Repeat Cycle Timer, 0.5 Sec to 999 Hours Model Number: 9050JCK70V20</p> <p>Tags/Service: RCT / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 120VAC operating voltage • 0.5 second to 999 hour programmable timing range • 3 VA power burden • 10 million mechanical operations operating life • 100,000 electrical operations operating life • Silver nickel contact material
1	<p>Mfg: Square D: RELAY SOCKET, 120VAC, 11 PIN, DIN Model Number: 8501NR61</p> <p>Tags/Service: RCT / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> • DIN rail mounted relay socket • Single tiered screw clamp terminal electrical connection • 15A rated at 300VAC

Timing Functions

	Class 9050 Type	JCK1•/ JCK60	JCK2•	JCK3•	JCK4•	JCK5•	JCK70
Timing Functions	On Delay						
	Off Delay						
	Off Delay Power Trigger						
	Interval						
	One Shot						
	One Shot Power Trigger						
	Repeat Cycle-Off						
	Repeat Cycle-On						
	On/Off Delay						
	One Shot Falling Edge						
Watchdog							
Trigger On Delay							
Number of Pins		8	11	8	11	8	11

9050JCK Electronic Timing Functions

Function	Description	Timing Diagram
On Delay	When the input voltage is applied, the time delay begins. Relay contacts change state after time delay is complete. When the input voltage is removed, contacts return to their shelf state. The trigger switch is not used in this function.	<p>Input Voltage: ON → OFF</p> <p>Relay Contacts: ON → OFF (delayed by the time interval)</p>
Interval	When the input voltage is applied, the relay contacts change state immediately and the timing cycle begins. When the time delay is complete, or when the input voltage is removed, contacts return to shelf state. The trigger switch is not used in this function.	<p>Input Voltage: ON → OFF</p> <p>Relay Contacts: ON → OFF (immediate) and then a delayed pulse</p>
Off Delay Switch and Power Trigger	Input voltage must be applied continuously. When the trigger switch closes, the relay contacts change state. When the trigger switch opens, the time delay begins. When the delay is complete, the contacts return to their shelf state. If the trigger switch closes before the time delay is complete, then timing is reset. When the trigger switch opens, the delay begins again and the relay contacts remain in their energized state. If the input voltage is removed, the relay contacts return to their shelf state.	<p>Input Voltage: ON → OFF</p> <p>Trigger Switch: CLOSED → OPEN → CLOSED → OPEN</p> <p>Relay Contacts: ON → OFF (delayed by the time interval) for each pulse</p>
One Shot Switch and Power Trigger	Input voltage must be applied continuously. When the trigger switch closes, the relay contacts change state and the pre-set delay begins. During time-out, the trigger signal is ignored. If the input voltage is removed, the relay contacts return to their shelf state.	<p>Input Voltage: ON → OFF</p> <p>Trigger Switch: CLOSED → OPEN → CLOSED → OPEN</p> <p>Relay Contacts: ON → OFF (delayed by the time interval) for each pulse</p>

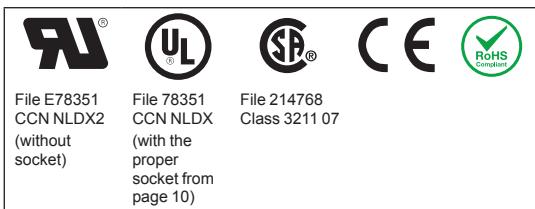
9050JCK Electronic Timing Functions

Function	Description	Timing Diagram
Repeat Cycle-Off	When input voltage is applied, the time delay T1 begins. When time delay T1 is complete, the relay contacts change state for time delay T2. This cycle repeats until the input voltage is removed. The trigger switch is not used in this function. Two dials are provided for independently adjustable repeat cycle timing ranges. For JCK70 timing relay, T1 equals T2.	
Repeat Cycle-On	When input voltage is applied, the relay contacts change state immediately and time delay T1 begins. When time delay T1 is complete, the contacts return to their shelf state for time delay T1. This cycle repeats until the input voltage is removed. The trigger switch is not used in this function.	
On/Off Delay	Upon application of input voltage, the time delay relay is ready to accept trigger signals. When the trigger switch closes, a pre-set On delay begins. At the end of the On delay, the relay contacts change state. When the trigger switch opens, the relay contacts remain in the current state until the pre-set Off delay elapses. At the end of the Off delay, the relay contacts return to their shelf state. The cycle can be repeated by re-closing the trigger switch after the timing cycle ends. If the trigger switch opens before the On delay elapses, the relay remains in its shelf state, and the delay timer resets. If the trigger switch re-closes before the Off delay elapses, the relay remains in its changed state, and the delay timer resets.	
One Shot Falling Edge	Upon application of input voltage, the time delay relay is ready to accept trigger signals. When the trigger switch closes, the relay remains in its shelf state. When the trigger switch opens, the relay contacts change state and a pre-set time delay begins. At the end of the time delay, the relay contacts return to their shelf state unless the trigger switch closes and opens before the time delay elapses. Continuous cycling of the trigger signal at a rate faster than the time delay causes the relay to remain in its changed state.	
Watchdog	Upon application of input voltage, the time delay relay is ready to accept trigger signals. When the trigger switch closes, the relay contacts change state and the pre-set time delay begins. At the end of the time delay, the relay contacts return to their shelf state unless the trigger switch closes and opens before the time delay elapses. Continuous cycling of the trigger signal at a rate faster than the delay time causes the relay to remain in its changed state.	
Trigger On Delay	Upon application of input voltage, the time delay relay is ready to accept trigger signals. When the trigger switch closes, a pre-set time delay begins. At the end of the pre-set time delay, the relay contacts change state and remain in that position as long as either the trigger signal is maintained or the input voltage remains. If the trigger switch opens during the time delay, the relay contacts return to their shelf state.	

Selection (continued)

Type JCK Electronic Timing Relays

Type JCK60 – JCK70



Features:

- Up to $\pm 0.1\%$ repeat accuracy
- Timing from 0.05 seconds to 999 hours
- Available in up to 10 timing functions
- DPDT contacts (2 N.O. & 2 N.C.)
- 10 A contact rating
- Transient protected
- Hold-down spring available
- Wide timing range
- Horsepower rated

Programmable Timers

Class 9050 Type JCK programmable timers are microprocessor controlled to provide flexibility with accurate timing. The Type JCK60 On Delay timer has seven programmable timing ranges. The Type JCK70 multifunction timer has 10 timing functions and seven programmable timing ranges. To program the timers, remove power and select the timing range and timing functions. Settings of less than 0.05 seconds are not recommended due to the response time of the electromechanical outputs.

~~Type JCK60 (On Delay)~~

This On Delay timer uses a push-button thumbwheel to select the timing range, and uses three push-button thumbwheels to select the time value.

	Timing Function	Timing Ranges	Type
	On Delay	0.01 s 0.05–9.99 seconds 0.1 s 0.1–99.9 seconds S 1–999 seconds 0.1 m 0.1–99.9 minutes M 1–999 minutes 0.1 h 0.1–99.9 hours H 1–999 hours	JCK60 (1)

(1) The voltage code must be specified to order this product. Refer to standard voltage codes listed below and insert the code as shown in "How To Order" below.

Type JCK70 (Multifunction)

One 10-position push button thumbwheel is used to select the function. Three 10-position push button thumbwheels are used to select the time value. One 7-position push button thumbwheel is used to select the timing range.

	Timing Functions	Timing Ranges	Type
	On-Delay Interval Off-Delay One-Shot Repeat Cycle-Off (1) Repeat Cycle-On (1) On/Off Delay 1-Shot Falling Edge Watchdog Trig. On-Delay	0.01 s 0.05–9.99 seconds 0.1 s 0.1–99.9 seconds S 1–999 seconds 0.1 m 0.1–99.9 minutes M 1–999 minutes 0.1 h 0.1–99.9 hours H 1–999 hours	JCK70 (2)

(1) The Repeat Cycle function uses the same On and Off times.

(2) Specify the voltage code when ordering this product. Refer to the standard voltage codes listed below and insert as shown in How To Order.

Note: Turn off power to the 9050JCK70 before changing the timing function.

Voltage Codes

Voltage	Code
12 Vdc	V36
24 Vac / Vdc	V14
48 Vac / Vdc	V17
120 Vac / 110 Vdc	V20

How to Order Type JCK Timers

To Order, Specify:	Catalog Number Example		
	Class	Type	Voltage Code
Class Number Type Number Voltage Code	9050	JCK60	V24

Operating Specifications

Voltage range	AC operation	+10%, -15% of nominal @ 50/60 Hz
	DC operation	+10%, -15% of nominal
Repeat accuracy	For constant voltage and temperature	9050JCK11-59 9050JCK60-70
		±0.1% to ±0.04 s, whichever is greater ±0.1% of set time or ± 0.02 ms, whichever is greater
	For variable voltage and temperature, within specs	9050JCK11-59 9050JCK60-70
Reset time	All functions	100 ms
Temperature range	Operating (with the proper derating, see curve on page 9)	12–120 Vac/Vdc 240 Vac
		-18 to +150 °F (-28 to +65 °C) -18 to +122 °F (-28 to +50 °C)
	Storage	-67 to +185 °F (-55 to +85 °C)
IEC 60664-1	Degree of pollution	2
	Oversupply category	III
Contact material		Silver nickel
Mounting position		indifferent
Burden	9050JCK11-59, 1, 2–120 Vac/Vdc	2.0 VA
	9050JCK11-59, 240 Vac	3.0 VA
	9050JCK60-70, 12–120 Vac/Vdc	3.0 VA
	9050JCK60-70, 240 Vac	3.2 VA
Relative humidity		15% to 85%, per IEC 60068-2-3
Insulation test voltage	9050JCK11-59	2,000 Vac
	9050JCK60-70	1,500 Vac between coil and contacts
		1,000 Vac between open contacts
		1,500 Vac between contacts of different circuitry
Transient protection		13 J, 10x 1000 µs
Vibration		10–55 Hz, 3 g max., 0.5 mm total displacement (+0.25 mm)
Shock		30 g, 11 ms duration, half sine wave
Endurance (1)	Mechanical (no load, 18,000 operations/hr max.)	10 million operations
	Electrical (full rated load, 1,800 operations/hr max., operating temperature -18 to 104 °F [-28 to 40 °C]).	100,000 operations
Degree of protection (IEC 60529)		IP20
Max. switching frequency		1800 cycles per hour
Compliance	UL Component Recognized File	E78351 CCN NLDX2 (without socket)
	UL Listed File	E78351 CCN NLDX (with the proper socket from page 10)
	CSA	File 214768 Class 3211 07
	CE	EN60947-4-1, EN60947-5-1, EN61812-1
	RoHS	As of Series E for JCK1-59 As of Series D for JCK60 and JCK70
Fuse		10 A, Class CC (e.g., Bussmann KTK-R 10)

(1) The product life expressed on this page is based on average and normal operating conditions. Actual life will vary with conditions. The above statements are not intended to, nor shall they, create any expressed or implied warranties as to product operation or life. For more information on the listed warranty offered on this product, refer to the Terms and Conditions of sale found in the Digest.

Electromagnetic Compatibility (EMC) Ratings

Test	IEC	Level
Electrostatic discharge	61000-4-2	3 (6 kV, 8 kV)
Radiated, radio-frequency, electromagnetic field	61000-4-3	3 (10 V/m)
Electrical fast transient/burst	61000-4-4	3 (2 kV, 1 kV) (1)
Surge	61000-4-5	3 (2 kV, 1 kV) (1)
Conducted disturbances, induced by radio-frequency fields	61000-4-6	3 (10 V/m)
Radiated emissions	CISPR 22	
Conducted emissions	CISPR 22	

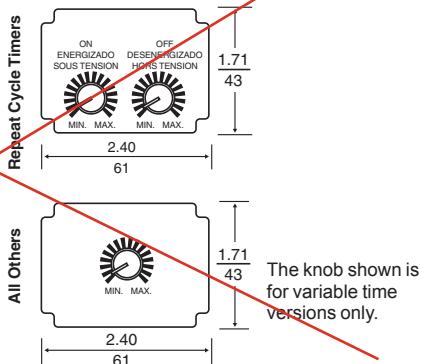
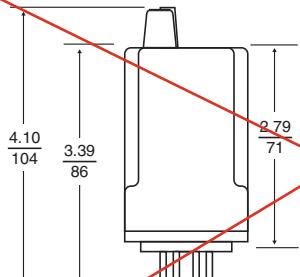
(1) Supply port, output port, and control port

LED Indicators (1)

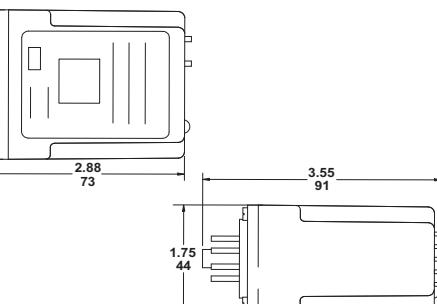
LED	State
Steady (On)	Power present
Flashing	Device is timing

(1) The LED is not an indicator of the output state of the timing relay.

Dimensions — inches mm



Dimensions of Type JCK11 - JCK59

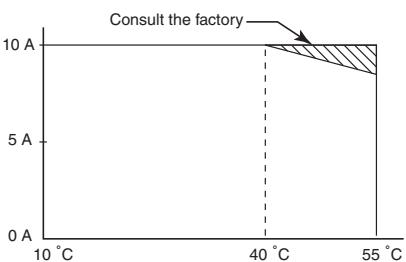


Dimensions of Type JCK60 and JCK70

AC Maximum Contact Ratings

AC Voltage		120 / 240 Vac (N.C.)	120 / 240 Vac (N.O.)
Horsepower		1/3	1/2
AC Amperes	Resistive 75% P.F. Make, Break, and Continuous	10	10
	Inductive 35% P.F.	10	10
		3	1.5
		30	15

Contact Derating Curve



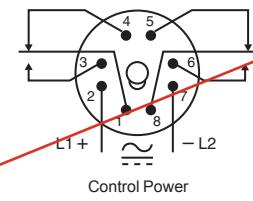
DC Maximum Contact Ratings

DC Volts		30
DC Amperes	Resistive Make, Break, and Continuous	10
	Inductive	3
		3

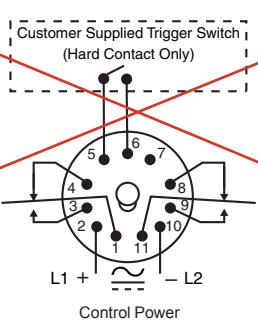
AC15/B300 (NO/NC), DC13/R300 (NO)
Recommended minimum load current is 100 mA @ 12 Vdc.

Wiring Diagrams

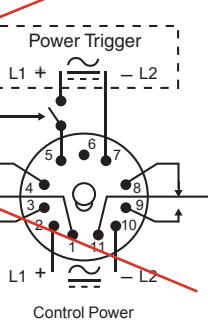
Type (1):
JCK11 - JCK19
JCK31 - JCK39
JCK51 - JCK59
JCK60



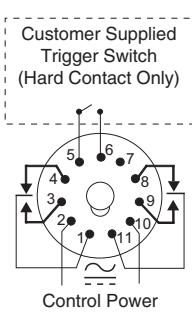
Type (2):
JCK21 - JCK29
JCK41 - JCK49



Type (1):
JCK21PT - JCK29PT
JCK41PT - JCK49PT



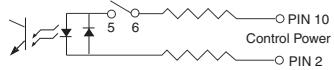
Type (1):
JCK70



NOTES:

- Use the same voltage for the power trigger and control power. Do not use terminal 6 with power trigger devices.
- For timers that use trigger switches, the maximum distance for the trigger switch is 50 ft. from the timer.

(1) Do not apply DC voltage to the 240 Vac timers (voltage code V24).
(2) There is no internal jumper between pins 6 and 7.



Product data sheet RELAY SOCKET, 120VAC, 11 PIN, DIN

Specifications

TAGS: RCT

SQUARE D



Plug in relay, Type N, relay socket, 11 tubular pin, single tier, for 8510KP relays and 9050JCK timers

8501NR61

Product availability: Stock - Normally stocked in distribution facility

Main

[In] rated current	15 A 300 V AC 5 A 600 V AC
--------------------	-------------------------------

Complementary

mounting type	Panel DIN rail
electrical connection	Single tiered screw clamp terminals
package quantity	1
Width	2.3 in (59 mm)
Height	2.2 in (54.8 mm)
Depth	1.0 in (24.6 mm)

Ordering and shipping details

Category	US10CP221142
Discount Schedule	0CP2
GTIN	785901583677
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.100 in (2.794 cm)
Package 1 Width	2.400 in (6.096 cm)
Package 1 Length	2.300 in (5.842 cm)
Package weight(Lbs)	2.240 oz (63.503 g)
Unit Type of Package 2	PAL
Number of Units in Package 2	2400
Package 2 Height	40.000 in (101.600 cm)
Package 2 Width	40.000 in (101.600 cm)
Package 2 Length	48.000 in (121.920 cm)
Package 2 Weight	336.0002 lb(US) (152.407 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Data Sheet 10

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/23/2026
Qty	Description
A/R	Mfg: Phoenix Contact: Terminal Block Model Number: 3044076
A/R	Mfg: Phoenix Contact: Grounding Terminal Block Model Number: 3044092
A/R	Mfg: Phoenix Contact: Terminal End Barrier Model Number: 3047028
A/R	Mfg: Phoenix Contact: Terminal Anchor Model Number: 0800886 Tags / Service: TB-AC / Secondary Fan Control Panel Specifications: <ul style="list-style-type: none">• Feed through and grounding terminals• Screw clamps• End plates and anchors• DIN rail mount

TERMINAL BLOCK



TAGS: TB-AC, TB-ISB

Extract from the online catalog

UT 2,5

Order No.: 3044076



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3044076>

Universal terminal block, Type of connection: Screw connection, Screw connection, Cross section: 0.14 mm² - 4 mm², AWG 26 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15



Commercial data

EAN	4017918960377
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.008227 KG
Catalog page information	Page 26 (CL-2009)

Product notes

WEEE/RoHS-compliant since:
01/01/2003



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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General

Number of levels	1
Number of connections	2
Color	gray

Insulating material	PA
Inflammability class acc. to UL 94	V0

Dimensions

Width	5.2 mm
Length	47.7 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

Technical data

Maximum load current	32 A (with 4 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	24 A
Nominal voltage U _N	1000 V
Open side panel	ja

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²

2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Type of connection	Screw connection
Stripping length	9 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Certificates / Approvals



Certification

CB, CSA, CUL, DNV, GL, GOST, LR, UL, VDE-PZI

Certification Ex:

IECEEx, KEMA-EX

CSA

Nominal voltage U _N	600 V
Nominal current I _N	20 A
AWG/kcmil	26-12

CUL

Nominal voltage U _N	600 V
Nominal current I _N	20 A
AWG/kcmil	26-12

UL

Nominal voltage U _N	600 V
Nominal current I _N	20 A
AWG/kcmil	26-12

UT 2,5-PE

Order No.: 3044092



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3044092>

Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Cross section: 0.14 mm² - 4 mm², AWG 26 - 12, Width: 5.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15



Product notes

WEEE/RoHS-compliant since:
01/01/2003



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Commercial data

EAN	4017918960360
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.012156 KG
Catalog page information	Page 32 (CL-2009)

Technical data

General

Number of levels	1
Number of connections	2
Color	green-yellow

Insulating material	PA
Inflammability class acc. to UL 94	V0

Dimensions

Width	5.2 mm
Length	47.7 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

Technical data

Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-2
Open side panel	ja

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Type of connection	Screw connection
Stripping length	9 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Certificates / Approvals



Certification CB, CSA, CUL, DNV, GL, LR, UL, VDE-PZI

Certification Ex: IECEx, KEMA-EX

CSA

AWG/kcmil	26-12
-----------	-------

CUL

AWG/kcmil	26-12
-----------	-------

UL

AWG/kcmil	26-12
-----------	-------

D-UT 2,5/10

Order No.: 3047028



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3047028>

End cover, Length: 47.7 mm, Width: 2.2 mm, Height: 48.4 mm,
Color: gray

Commercial data	
EAN	4017918960346
Pack	50 pcs.
Customs tariff	85389099
Weight/Piece	0.00248 KG
Catalog page information	Page 26 (CL-2009)

Product notes

WEEE/RoHS-compliant since:
01/01/2003



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E/NS 35 N - End bracket

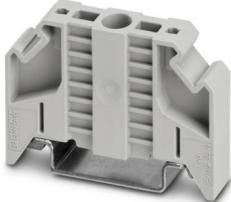


0800886

<https://www.phoenixcontact.com/us/products/0800886>

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End clamp, width: 9.5 mm, color: gray



Your advantages

- Large-surface marking

Commercial data

Item number	0800886
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE07
Product key	BE7111
GTIN	4017918129309
Weight per piece (including packing)	14.16 g
Weight per piece (excluding packing)	13.708 g
Customs tariff number	39269097
Country of origin	DE

E/NS 35 N - End bracket



0800886

<https://www.phoenixcontact.com/us/products/0800886>

Technical data

Connection data

Screw thread	M3
Tightening torque	0.5 ... 0.8 Nm

Dimensions

Dimensional drawing	
Width	9.5 mm
Height	48.6 mm
Depth	32.8 mm
Depth on NS 35/7,5	34.3 mm
Length	48.6 mm

Material specifications

Color	gray (RAL 7042)
Material	PA
Flammability rating according to UL 94	V0
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	NS 35/7,5
	NS 35/15

E/NS 35 N - End bracket



0800886

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CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

Drawings Index:

Drawing Number	Drawing Description
D32384-50	POMONKEY PS SFAN CONTROL PANEL EXTERIOR PANEL LAYOUT
D32384-51	POMONKEY PS SFAN CONTROL PANEL INTERIOR PANEL LAYOUT
D32384-52	POMONKEY PS SFAN CONTROL PANEL 120VAC WIRING DIAGRAM

CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

Drawings:

WARNING NAMEPLATE DETAIL

S-L CONTROLS, DWG D32384-50
VOLTAGE: 120VAC, 60HZ, SINGLE PHASE
FLC: 5.86

MAXIMUM PUMP HORSEPOWER: 0.25

SHORT CIRCUIT CURRENT: 5kA

ENCLOSURE RATING: UL TYPE 4X

CAUTION: MULTIPLE POWER SOURCES ARE PROVIDED FROM FIELD TERMINALS. EACH SOURCE SHOULD BE DISCONNECTED FOR SERVICING.

WARNING: TO MAINTAIN OVERCURRENT, SHORT CIRCUIT, AND GROUND FAULT PROTECTION, THE MANUFACTURER'S INSTRUCTIONS FOR SELECTING CURRENT ELEMENTS MUST BE FOLLOWED

NAMEPLATES SIZED AS REQUIRED

NAME PLATE LEGEND TABLE

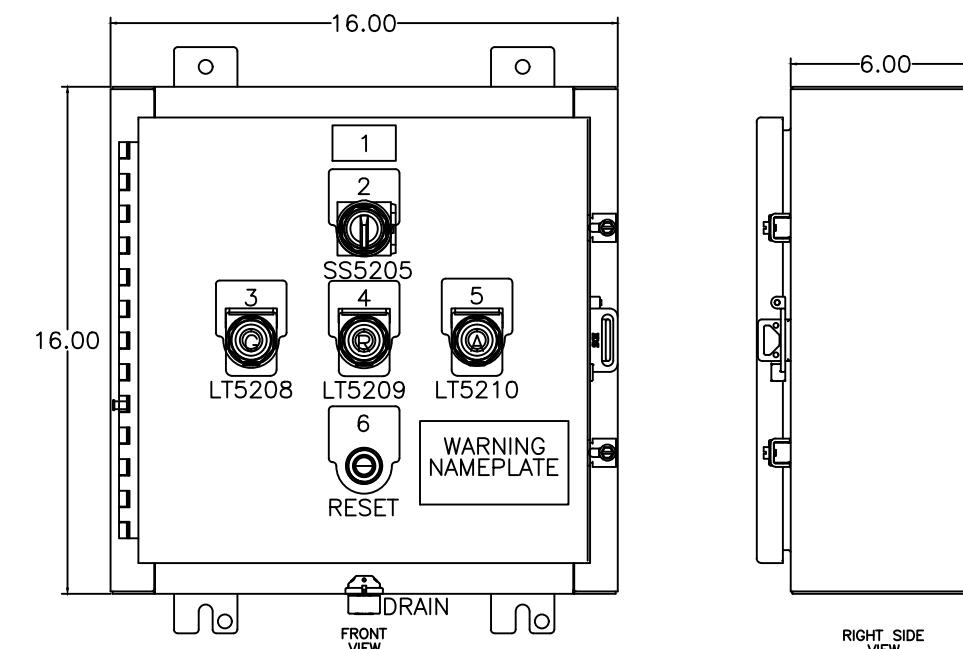
ITEM	QTY	DESCRIPTION
1	1	SFAN-1 / CONTROL PANEL
2	1	HAND / OFF / AUTO
3	1	RUNNING
4	1	STOPPED
5	1	FAULT
6	1	OVERLOAD / RESET
7	1	FU5204: MERSEN MI5HF25V2/100 2A

NOTES:

ALL PLATES SHALL BE ENGRAVED ON WHITE BACKGROUND WITH BLACK CHARACTERS. LETTER HEIGHT SHOULD BE MINIMUM 1/4"

WIRING:

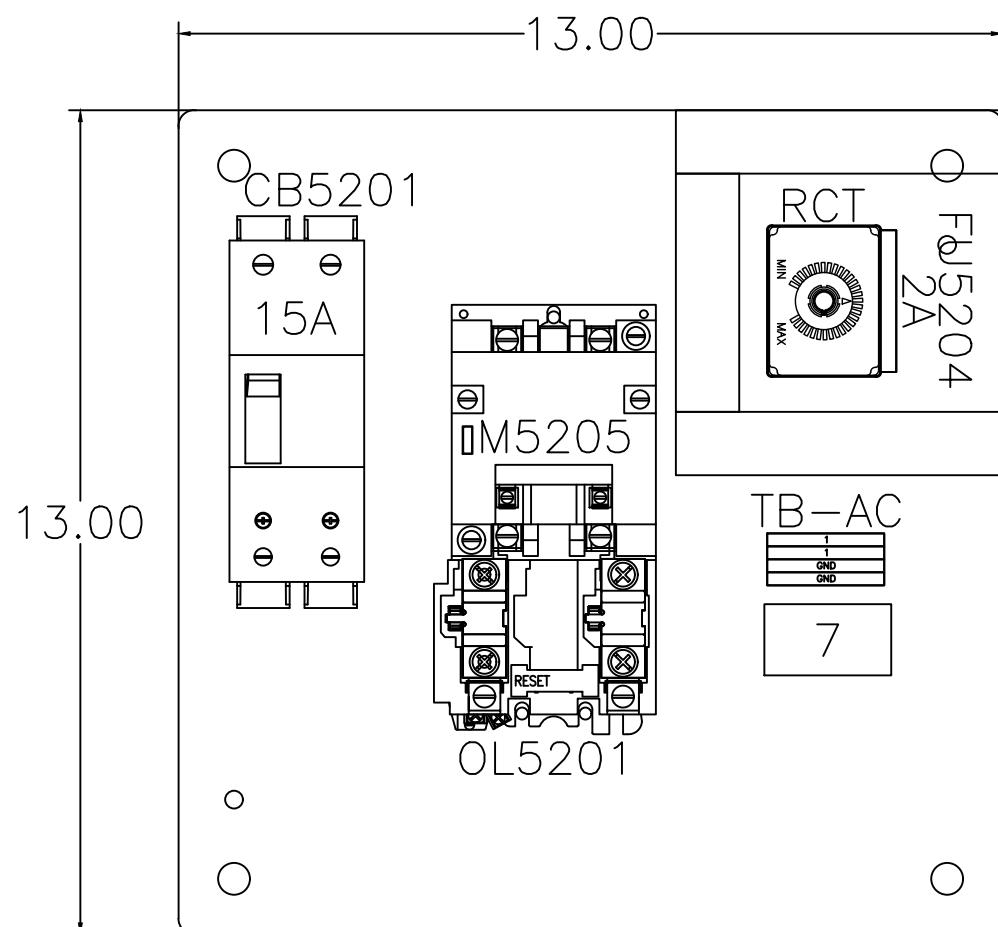
- 1) □ - INDICATES CABINET TERMINAL BLOCK
- 2) DASHED LINES INDICATE WIRING REMOTE TO CONTROL PANEL.
- 3) PROVIDE 20% SPARE TERMINALS
- 4) UL APPROVED NO. TO BE PROVIDED AT TIME OF MANUFACTURING
- 5) ELECTRICAL CONNECTION TORQUES:
TERMINAL: 12 INCH POUNDS
CIRCUIT BREAKER: 45 INCH POUNDS



PANEL WIRING

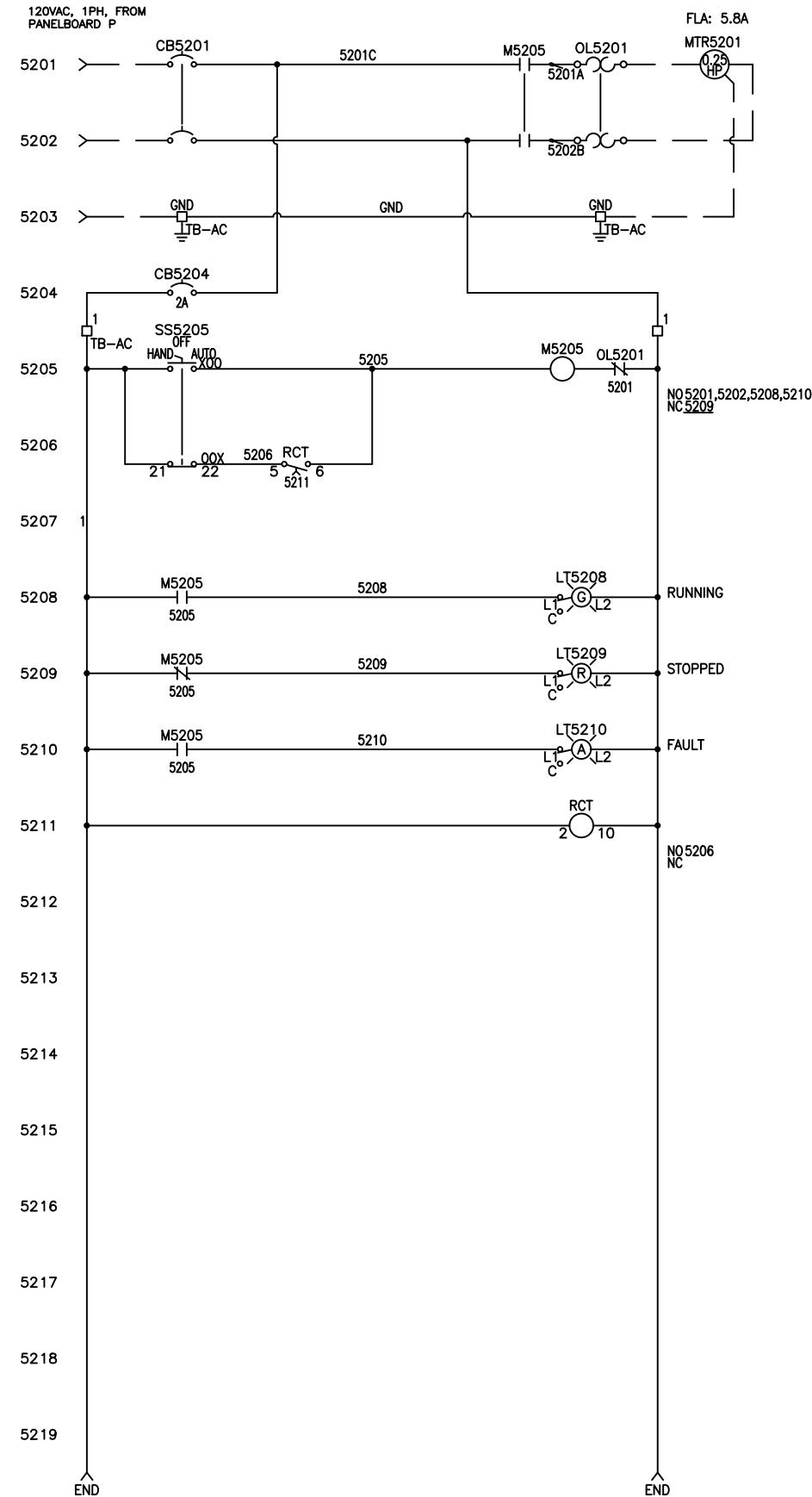
AREA	VOLTAGE	NOUN NAME	ID	GAGE	COLOR	TYPE
INTERNAL	120VAC	HOT	(L1), (1)	14	BLACK	MTW
INTERNAL	120VAC	NEUTRAL	(N)	14	WHITE	MTW
CONTROL	120VAC	HOT	VARIOUS	16	RED	MTW
CONTROL	120VAC	NEUTRAL	N	16	WHITE	MTW

TOLERANCES	REVISIONS			POMONKEY PS SFAN CONTROL PANEL EXTERIOR PANEL LAYOUT		
	NO.	DATE	BY			
DECIMAL	1					
	2					
FRACTIONAL	3			DRAWN BY ZBB	SCALE NONE	MATERIAL
	4			CHK'D MN	DATE 01-23-2026	DRAWING NUMBER
ANGULAR	5			TRACED	APP'D	D32384-50
	6					



TAGS	QTY	CATALOG	DESCRIPTION	MANUFACTURER
ENC	1	SCE-16H1606SS6LP	WALL MOUNT ENCLOSURE - NEMA 4X	SCE
ENC	1	SCE-16P16	ENCLOSURE BACK PANEL	SCE
DRAIN	1	SCE-BVKD	NEMA 4X VENT/DRAIN	SCE
LT5208	1	9001SKT38LGG31	PTT LIGHT, 120VAC LED, GREEN	SCHNEIDER ELECTRIC
LT5209	1	9001SKT38LRR31	PTT LIGHT, 120VAC LED, RED	SCHNEIDER ELECTRIC
LT5210	1	9001SKT38LYA31	PTT LIGHT, 120VAC LED, AMBER	SCHNEIDER ELECTRIC
RESET	1	XB4BA922	MANUAL OVERLOAD RESET PUSH BUTTON	SCHNEIDER ELECTRIC
SS5205	1	9001SKS43BH13	3 POSITION SWITCH, BLACK	SCHNEIDER ELECTRIC
CB5201	1	BGL26015	MAIN CIRCUIT BREAKER, 15A	SQUARE D
CB5204	1	9926251002	CIRCUIT BREAKER, 120VAC, 2A	WEIDMULLER
M5205	1	8536-SA011V02ES	NEMA MOTOR STARTER / OVERLOAD	SQUARE D
OL5201	2	B9.10	THERMAL MOTOR OVERLOAD	SQUARE D
FU5204	1	3046100	FUSE TERMINAL BLOCK, 120VAC	PHOENIX CONTACT
FU5204	1	MI5HF25V2/100	MINIATURE FUSE, FAST ACTING, 2A	MERSEN
RCT	1	9050JCK70V20	REPEAT CYCLE TIMER, 0.5 SEC TO 999 HOURS	SQUARE D
RCT	1	8501NR61	RELAY SOCKET, 120VAC, 11 PIN OCTAL, DIN	SQUARE D
TB-AC	4	3044076	UNIVERSAL TERMINAL BLOCK - UT 2,5	PHOENIX CONTACT
TB-AC	A/R	3047028	TERMINAL END BARRIER	PHOENIX CONTACT
TB-AC	A/R	3044092	GROUNDING TERMINAL BLOCK	PHOENIX CONTACT
TB-AC	A/R	0800886	TERMINAL ANCHOR	PHOENIX CONTACT

TOLERANCES	REVISIONS			POMONKEY PS SFAN CONTROL PANEL		
	NO.	DATE	BY	INTERIOR PANEL LAYOUT		
DECIMAL	1					
	2					
FRACTIONAL	3			DRAWN BY ZBB	SCALE NONE	MATERIAL
	4			CHK'D MN	DATE 01-23-2026	DRAWING NUMBER
ANGULAR	5			TRACED	APP'D	D32384-51
	6					



TOLERANCES	REVISIONS			POMONKEY PS SFAN CONTROL PANEL		
	NO.	DATE	BY	120VAC WIRING DIAGRAM		
DECIMAL	1			SH CONTROLS		
FRACTIONAL	2					
ANGULAR	3			DRAWN BY	ZBB	SCALE NONE
	4			CHK'D	MN	DATE 01-23-2026
	5			TRACED		DRAWING NUMBER
	6					D32384-52