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32384 CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

RVSS CONTROL PANELS SUBMITTAL

SECTION 17441 - CONTROLS SYSTEM HARDWARE

January 22, 2026

ENGINEER: WRA

CONTRACTOR: JOHNSTON CONSTRUCTION

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

Branch Offices: RICHMOND, VA and LEOLA, PA

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Table of Contents

Comments

Parts Index

Data Sheets

Heating and Cooling Sizes

Drawing Index

Drawings

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

General Comments:

Parts Index:

SHT	MANUFACTURER	MODEL	DESCRIPTION
1	SCE	SCE-36XEL3112SS6LP	Wall Mount Enclosure - NEMA 4X
1	SCE	SCE-36P30	Enclosure Backpanel
1	SCE	SCE-ELMFK4	Wall Mount Foot Kit
2	Square D	9422A2	Flange Mounted Disconnect Handle - NEMA 4X
2	Square D	9422CSB30	Cable Operated Disconnect Mechanism
3	Trumeter	722-0001	Elapsed Time Meter
3	Trumeter	5003-010	Gasket, Rectangular, 2-Hole
4	Schneider Electric	9001SKT38LGG31	PTT Light, 120VAC LED, Green
4	Schneider Electric	9001SKT38LRR31	PTT Light, 120VAC LED, Red
4	Schneider Electric	9001SKT38LYA31	PTT Light, 120VAC LED, Amber
5	Schneider Electric	9001SKR1B	Pushbutton, Black
5	Schneider Electric	9001KA2	1 NO Contact
5	Schneider Electric	9001KA3	1 NC Contact
6	Schneider Electric	9001SKS43BH2	3 Position Switch, Black
7	Square D	9070TF150D1	CPT-480/120V, 150VA
8	Square D	BDL36020	Main Circuit Breaker, 20A
9	Weidmuller	9926251002	Circuit Breaker, 120VAC, 2A
10	Schneider Electric	RXM2AB2F7	Miniature Relay, 120VAC, 8 Blade
10	Schneider Electric	RXZE2M114	Relay Socket, 120VAC, 8 Blade, DIN
11	Mersen	ATMR2	Fuse, Fast Acting, 2A
11	Mersen	ATMR1/2	Fuse, Fast Acting, 0.5A
11	Mersen	ATQR8/10	Fuse, Time Delay, 0.8A
11	Mersen	30324R	Class CC Fuse Block, 4 Poles
12	Citel	DS43S-480	Transient Voltage Surge Suppressor
13	Schneider Electric	ATS490D17Y	Reduced Voltage Soft Starter
14	Socomec	48290000	Modbus Power Meter
14	Socomec	48290030	Digital I/O Power Meter Module
14	Socomec	48290555	Split Core TR-10 Sensor, 25-63A
14	Socomec	48290584	RJ12 Connection Cable, 3 Count

SHT	MANUFACTURER	MODEL	DESCRIPTION
15	Square D	9050JCK13V20	Timing Relay, 0-60 Sec, 120VAC, 8 Pin Octal, DPDT
15	Square D	8501NR51	Relay Socket, 120VAC, 8 Pin Octal, DIN
16	Square D	9050JCK23V20	Timing Relay, 0-60 Sec, 120VAC, 11 Pin Octal, DPDT
16	Square D	8501NR61	Relay Socket, 120VAC, 11 Pin Octal, DIN
17	SCE	SCE-TSH50	Enclosure Heater
17	Finder	7T.81.0.000.2403	Enclosure Heater Thermostat, NC
18	Phoenix Contact	UT 2,5	Terminal Block
18	Phoenix Contact	UT 2,5-PE	Grounding Terminal Block
18	Phoenix Contact	D-UT 2,5-10	Terminal End Barrier
18	Phoenix Contact	E/NS 35 N	Terminal Anchor

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Data Sheet 1

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
<u>Qty</u>	<u>Description</u>
1	<p>Mfg: SCE: Wall Mount Enclosure - NEMA 4X Model Number: SCE-36XEL3112SS6LP</p> <p>Tags/Service: ENC / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 0.075" stainless steel type 304 • Continuously welded seams ground smooth • Stainless steel concealed hinges • Pour in place oil and water resistant gasket • Ground studs on door and body • Flange trough collar around all sides of door opening
1	<p>Mfg: SCE: Enclosure Backpanel Model Number: SCE-36P30</p> <p>Tags/Service: ENC / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Subpanel, bent • Powder coated white finish • 33"H x 27"W x 0.88"D

1	<p>Mfg: SCE: Wall Mount Foot Kit Model Number: SCE-ELMFK4</p> <p>Tags/Service: ENC / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• Made with chemical and corrosion resistant polyamide material• Rated for NEMA 4X• Stainless steel bolt and zinc nuts to maintain NEMA 4X enclosure rating
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Saginaw Control and Engineering
95 Midland Road Saginaw, MI 48638-5770
(800) 234-6871 - Fax: (989) 799-4524
SCE@SaginawControl.com

WALL MOUNT ENCLOSURE - NEMA 4X

SCE-36XEL3112SSLP

TAGS: ENC



Construction

- ✿ 0.075 In. stainless steel Type 304.
- ✿ Seams continuously welded and 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 panels.
- ✿ Holes provided in body for mounting disconnect operating handle and operating mechanism.
- ✿ Stainless steel concealed hinges.
- ✿ Doors are interchangeable and easily removed by pulling hinge pin.
- ✿ 3-point latching mechanism when door height is greater or equal to 40 inches, 2-point latching mechanism when door height is less than 40 inches.
- ✿ Latches are opened or closed with screwdriver (optional tamper-resistant inserts available).
- ✿ Mounting holes in back of enclosure.
- ✿ Mounting hardware, sealing washer and hole plug included.
- ✿ Ground studs on door and body.
- ✿ Black zinc die cast coinproof/padlocking handle.
- ✿ Removable print pocket.

Application

Designed to house electrical and electronic controls, instruments and components in areas which may be regularly hosed down or are in very wet conditions. Designed to house most standard type disconnects. 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

Disconnect switch (or circuit breaker) and operating mechanism are not furnished with this enclosure.

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.

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

Product Specifications:

Part Number: SCE-36XEL3112SSLP

Description: S.S. XEL Enclosure

Height: 36.00"

Width: 31.38"

Depth: 12.00"

Price Code: S5

List Price: \$2,281.04

Catalog Page: 274

Est. Ship Weight: 84.00 lbs

Accessories Included

SCE-ELMF4 Foot Kit, EL Mounting (4pc.)

Optional Accessories

SCE-36P30 Subpanel, Bent

SCE-36P30GALV Subpanel, Bent Galvanized

SCE-BVK Breather Vent

SCE-DF36EL30LP Panel, Dead Front (Wall Mount)

SCE-DS30SS Shield, S.S. Drip

SCE-ELMF4SS6-OS Foot Kit, S.S. EL Mounting (4pc.)

SCE-ELSP3 KIT, Swing-Out Panel (20 High & Up)

SCE-RD36XEL3112SS Door, Replacement

Similar Part Numbers

SCE-24XEL2108SSLPS.S. XEL Enclosure

SCE-24XEL2508SSLPS.S. XEL Enclosure

SCE-24XEL2510SSLPS.S. XEL Enclosure

SCE-30XEL2508SSLPS.S. XEL Enclosure

SCE-30XEL2510SSLPS.S. XEL Enclosure

SCE-36XEL2508SSLPS.S. XEL Enclosure

SCE-36XEL3110SSLPS.S. XEL Enclosure

SCE-42XEL3110SSLPS.S. XEL Enclosure

SCE-42XEL3112SSLPS.S. XEL Enclosure

SCE-42XEL3712SSLPS.S. XEL Enclosure

Installation Information

- ✿ ABB Flange Mounted, Disconnects and Circuit Breakers
- ✿ Allen-Bradley Flange Mounted, Disconnects and Circuit Breakers
- ✿ Bussmann Flange Mounted, Disconnects and Circuit Breakers
- ✿ Cutler-Hammer Flange Mounted, Disconnects and Circuit Breakers
- ✿ GE Flange Mounted, Disconnects and Circuit Breakers
- ✿ Gould Flange Mounted, Disconnects and Circuit Breakers
- ✿ Moller Flange Mounted, Disconnects and Circuit Breakers
- ✿ Siemens Flange Mounted, Disconnects and Circuit Breakers
- ✿ Square D Flange Mounted, Disconnects and Circuit Breakers
- ✿ Mounting Foot Kit for Enviroline Enclosures
- ✿ Drip Shield Kit Assembly
- ✿ Swing Panel Assembly for Enviroline Enclosures
- ✿ Swing Panel ELSP3 for Encl. Height > 16
- ✿ Sealing Washer Specifications
- ✿ LS Electric Flange Mounted Disconnects
- ✿ Enviroline Series Single Door Enclosures For Flange Mounted Disconnects
- ✿ Dead Front Wall Mount Installation Instructions. XEL-LP REV. 2

**ENCLOSURE BACKPANEL**

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

SCE-36P30**TAGS: ENC****Product Specifications:****Part Number:** SCE-36P30**Description:** Subpanel, Bent**Height:** 33.00"**Width:** 27.00"**Depth:** 0.88"**Price Code:** P3**List Price:** \$125.09**Catalog Page:** 444**Est. Ship Weight:** 34.00 lbs**Finish**

Powder Coated White.

Industry Standards - (IS17)

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

Similar Part Numbers

- SCE-24P20Subpanel, Bent
- SCE-24P24Subpanel, Bent
- SCE-24P24PCSubpanel, Flat
- SCE-30P20Subpanel, Bent
- SCE-30P24Subpanel, Bent
- SCE-30P30Subpanel, Bent
- SCE-36P24Subpanel, Bent
- SCE-36P36Subpanel, Bent
- SCE-40P24Subpanel, Bent
- SCE-42P24Subpanel, Bent

Installation Information

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



WALL MOUNT FOOT KIT

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

SCE-ELMFK4 TAGS: ENC



Application

Made for use with all SCE Enviroline enclosures and two-door wall-mount enclosures. Chemical and Corrosion resistant Polyamide material rated for type 3, 3R, 4, 4X and 12. Available in kits of four, six, 25 and 50. Product comes with stainless steel bolt and zinc nuts to maintain type 3, 3R, 4, 4X and 12 rating of your enclosure.

Industry Standards - (IS17)

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

Product Specifications:

Part Number: SCE-ELMFK4
Description: Foot Kit, EL Mounting (4pc.)
Height: 5.00"
Width: 3.00"
Depth: 1.25"
Price Code: P2
List Price: \$21.86
Catalog Page: 437
Est. Ship Weight: 2.00 lbs

Similar Part Numbers

SCE-ELMFK4-25Foot Kit, EL Mounting (4pc.) - Bulk
 SCE-ELMFK4-50Kit, EL Mounting Foot - Bulk
 SCE-ELMFK6Foot Kit, EL Mounting (6pc.)

Installation Information

- ✿ Mounting Foot Kit for Enviroline Enclosures
- ✿ Mounting Foot Kit for WFLP Enclosures

Data Sheet 2

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Square D: Flange Mounted Disconnect Handle - NEMA 4X Model Number: 9422A2</p> <p>Tags/Service: DISC / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• Flange mounted disconnect handle• 6 in. handle mechanism• Variable depth disconnect switch• For NEMA 4X enclosure, NEMA 4X rated
1	<p>Mfg: Square D: Cable Operated Disconnect Mechanism Model Number: 9422CSB30</p> <p>Tags/Service: DISC / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• Single cable operating mechanism• For PowerPact B 3 circuit breakers• 36" cable length

Product data sheet

FLANGE MOUNTED DISCONNECT HANDLE

Specifications

SQUARE D



TAGS: DISC

Operating mechanism, flange mounted, variable depth, handle mechanism, 6in handle, NEMA 4X enclosure

9422A2

Product availability: Stock - Normally stocked in distribution facility

Main

Product	Handle Mechanism
For Use With	Disconnect switches (30...200 A)

Complementary

Product Type	Variable depth
Product destination	disconnect switches (30...200 A)
Enclosure Types	NEMA 4/4X enclosures
Handle Length	6 in (152.4 mm)

Ordering and shipping details

Category	US10CP121732
Discount Schedule	0CP1
GTIN	785901739807
Returnability	Yes
Country of origin	MX

Packing Units

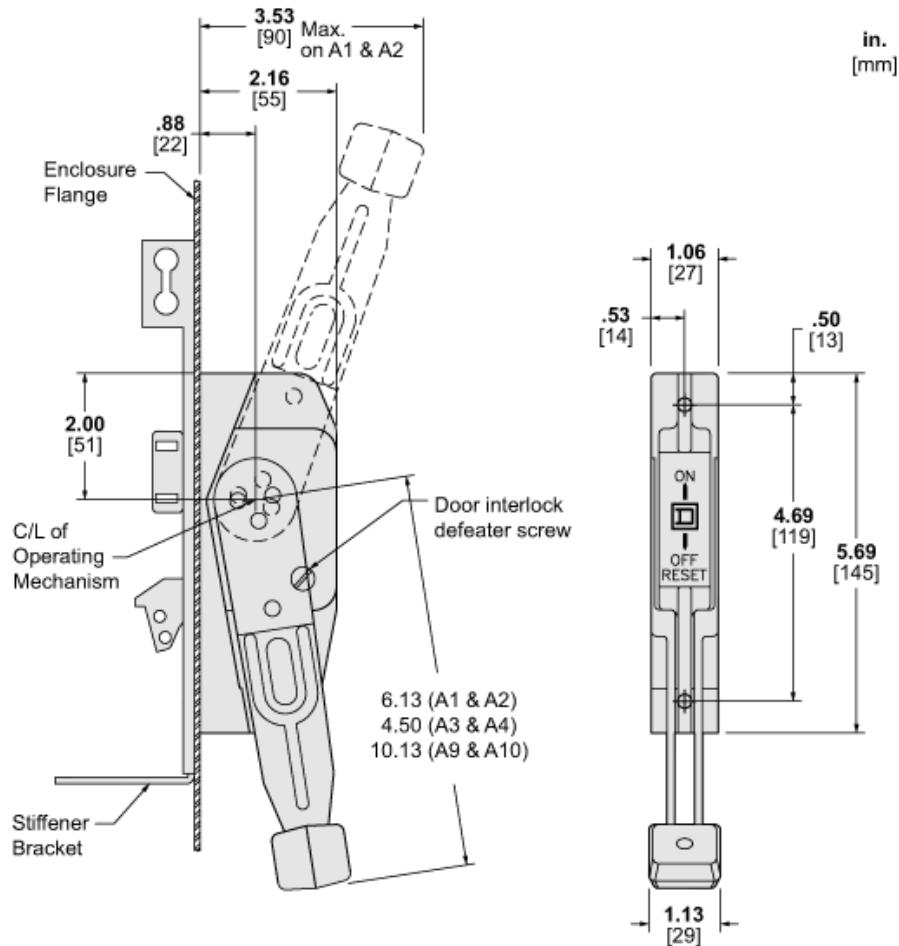
Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.800 in (4.572 cm)
Package 1 Width	3.800 in (9.652 cm)
Package 1 Length	9.500 in (24.130 cm)
Package weight(Lbs)	2.749 lb(US) (1.247 kg)

Contractual warranty

Warranty (in months)	18
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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

Dimensions Drawings

Approximate Dimensions

Product data sheet

CABLE OPERATED DISCONNECT MECHANISM

Specifications

TAGS: DISC

SQUARE D



Disconnect mechanism, circuit breaker, cable operated, 125A, 3 pole, PowerPact B breaker, 36 inch cable

9422CSB30

Product availability: Stock - Normally stocked in distribution facility

Main

Range 9422C

Product Single Cable Operating Mechanism

Complementary

Circuit Breaker Type
 PowerPact B 2
 PowerPact B 3

Number of Cables 1

Cable Length 36 in

Ordering and shipping details

Category US10CP121732

Discount Schedule 0CP1

GTIN 785901093503

Returnability Yes

Country of origin MX

Packing Units

Unit Type of Package 1 PCE

Nbr. of units in pkg. 1

Package 1 Height 7.000 in (17.780 cm)

Package 1 Width 12.600 in (32.004 cm)

Package 1 Length 13.300 in (33.782 cm)

Package weight(Lbs) 5.370 lb(US) (2.436 kg)

Contractual warranty

Warranty (in months) 18

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 3

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Trumeter: Elapsed Time Meter Model Number: 722-0001</p> <p>Tags/Service: ETM / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 120VAC 50/60Hz operating voltage • 6 Figure display, 99999.9 • 0.14" figure height • Hours and indicator - white on black, Decimal - black on white • Quartz accuracy • Non-reset • Black polymer case material • Polymer lens material • ± 0.02% accuracy over entire range
1	<p>Mfg: Trumeter: Gasket, Rectangular, 2-Hole Model Number: 5003-010</p> <p>Tags/Service: ETM / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • NEMA 4X rated • For Trumeter 722-0001 elapsed time meter • 2-hole rectangular gasket

722 Series

Electromechanical Hour Meter



The Model 722 provides an AC Hour Meter with an operating range of 90-264VAC 50/60 Hz. You no longer require two separate meters, one for 115VAC and one for 230VAC. Models are available in the standard industry housings, 2-Hole Rectangular, Flush-Rectangular, Flush-Round, Square and 3-Hole Round. Its quartz time base insures accurate long-term time keeping. The totally sealed case protects against the environment and provides years of reliable service. All models are NEMA 4X,12 rated when mounted with optional gasket.

Key Features

- Operating voltage 90-264VAC 50/60Hz
- Totally Sealed
- UL/cUL Recognized, CE & RoHS Compliant
- 6 Figure, 99999.9
- Quartz accuracy
- Options include:
 - Wire leads
 - Gasket kit (for NEMA 4X, 12 rating)
 - Custom lens
 - Terminals up, down, straight

Applications

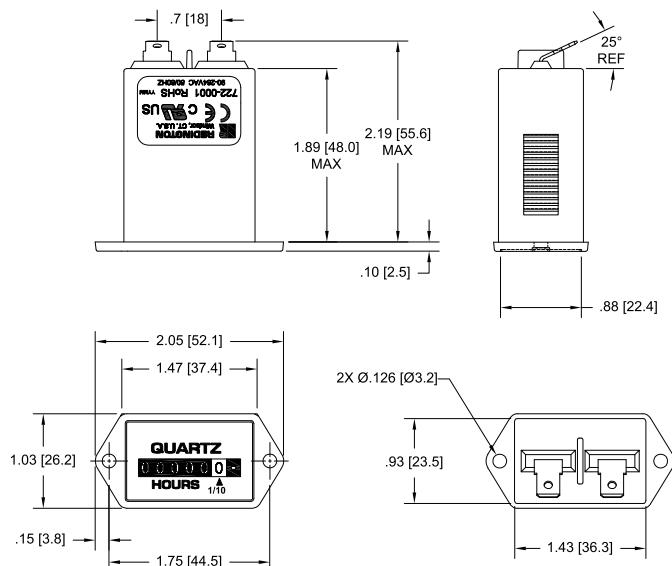
- ~~Medical Equipment~~
- Control Panels
- ~~Office Equipment~~
- ~~Test Equipment~~
- Generators

Specification

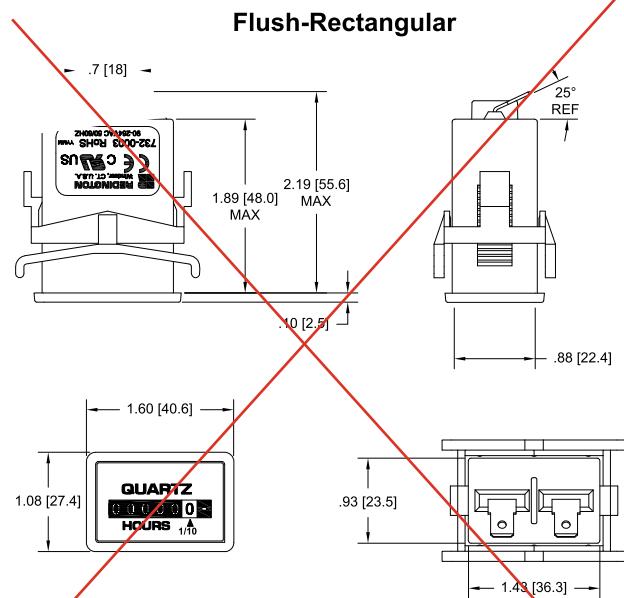
Figures	6 - digits, 0.14" [3.6mm] 99999.9 Hours and indicator - white on black Decimal - black on white
Reset	Non-reset
Voltage	90-264VAC
Frequency	50/60Hz
Power	1 watt max.
Mount	Clip or mounting holes
Terminations	1/4" [6.3mm] spade terminals
Weight	~2 oz [57 g]
Accuracy	± 0.02% over entire range
Case Material	Black polymer
Lens Material	Polymer
Approvals	UL/cUL Recognized, CE, UKCA & RoHS Compliant, SAE & NEMA 4X, 12 Compliant
Environmental	Totally Sealed
Front Panel	NEMA 4X, 12 rated with optional gasket
Temp. Range	-40°F to +185°F [-40°C to + 85°C]
Humidity	95% (SAE J1378)
Vibration	10-80 Hz. 20g max. (SAE J1378)
Shock	55g @ 9 - 13msec (SAE J1378)

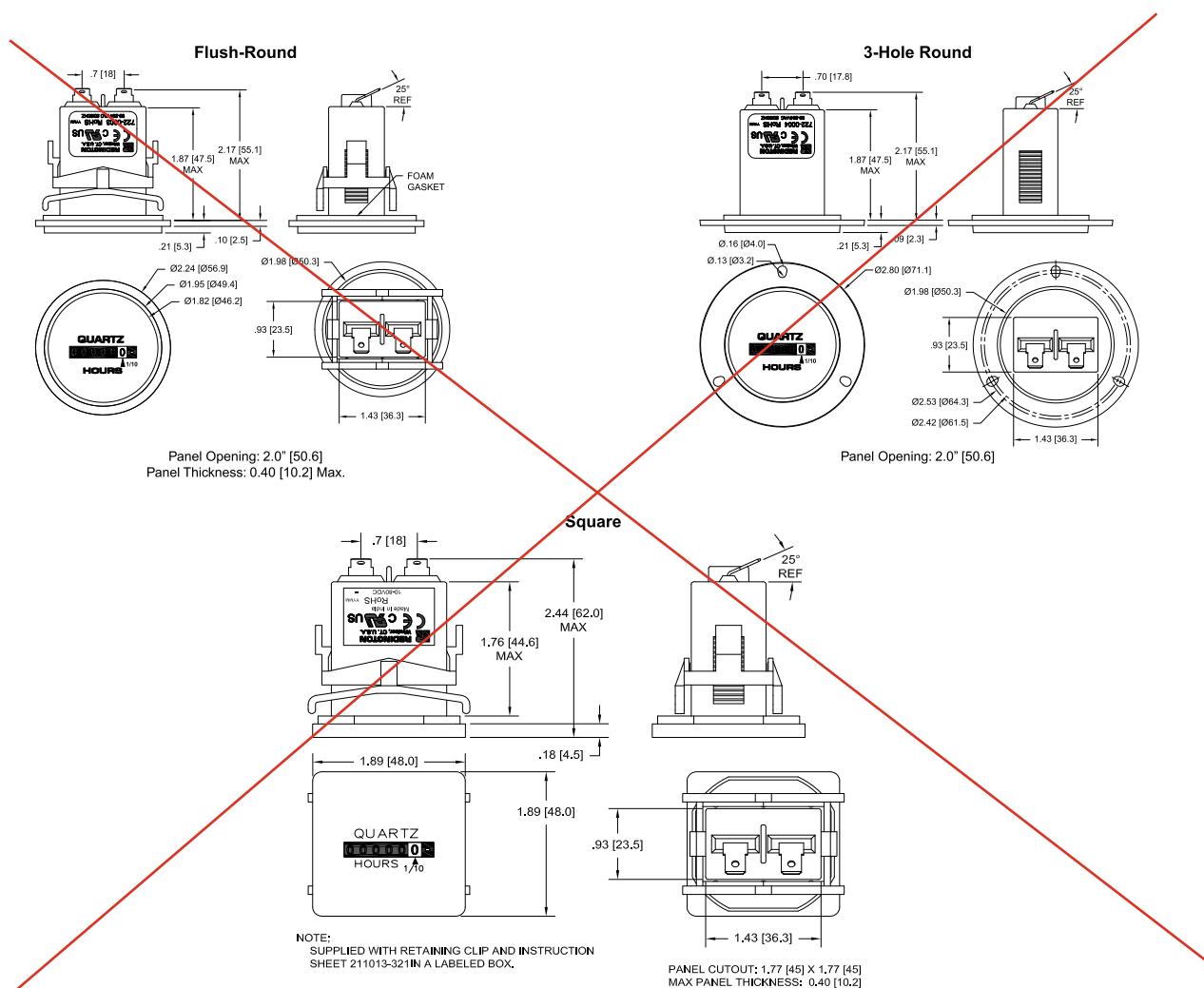
Dimensions

2-Hole



Flush-Rectangular





Part Numbers

- 722-0001** 2-Hole Rectangular, 90-264VAC 50/60Hz, $\frac{1}{4}$ " [6.3mm] spade terminals, hours & 1/10's
- 722-0002** ~~Flush-Rectangular, 90-264VAC 50/60Hz, $\frac{1}{4}$ " [6.3mm] spade terminals, hours & 1/10's~~
- 722-0003** ~~Flush Round, 90-264VAC 50/60Hz, $\frac{1}{4}$ " [6.3mm] spade terminals, hours & 1/10's~~
- 722-0004** ~~3-Hole Round, 90-264VAC 50/60Hz, $\frac{1}{4}$ " [6.3mm] spade terminals, hours & 1/10's~~
- 722-0030** ~~Square 1.9", 90-264VAC 50/60Hz, $\frac{1}{4}$ " [6.3mm] spade terminals, hours & 1/10's~~
- 5003-010** NEMA 4X, 12 Gasket for Model 722-0001
- 5003-009** ~~NEMA 4X, 12 Gasket for Model 722-0002~~
- 5003-008** ~~NEMA 4X, 12 Gasket for Model 722-0003~~
- 5003-011** ~~NEMA 4X, 12 Gasket for Model 722-0004~~

Custom
is our passion



Data Sheet 4

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Green Model Number: 9001SKT38LGG31</p> <p>Tags/Service: LT0330 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Push-to-test pilot light • Spring return operator type • Green projecting, unmarked operator profile • Plastic bezel material • 120VAC rated supply voltage • 0.55A rated operational current • 1 C/O contact • Silver alloy contact material • 60kA rated short-circuit making capacity • 6kA rated breaking capacity • Green fresnel polycarbonate lens
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Red Model Number: 9001SKT38LRR31</p> <p>Tags/Service: LT0335 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Push-to-test pilot light • Spring return operator type

	<ul style="list-style-type: none"> • Red projecting, unmarked operator profile • Plastic bezel material • 120VAC rated supply voltage • 0.55A rated operational current • 1 C/O contact • Silver alloy contact material • 60kA rated short-circuit making capacity • 6kA rated breaking capacity • Red fresnel polycarbonate lens
3	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Amber Model Number: 9001SKT38LYA31</p> <p>Tags/Service: LT0402, LT0408, LT0409 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Push-to-test pilot light • Spring return operator type • Amber projecting, unmarked operator profile • Plastic bezel material • 120VAC rated supply voltage • 0.55A rated operational current • 1 C/O contact • Silver alloy contact material • 60kA rated short-circuit making capacity • 6kA rated breaking capacity • Amber fresnel polycarbonate lens

Product data sheet

PTT LIGHT, 120VAC LED, GREEN

Specifications

TAGS: LT0330



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
[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 0.27 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
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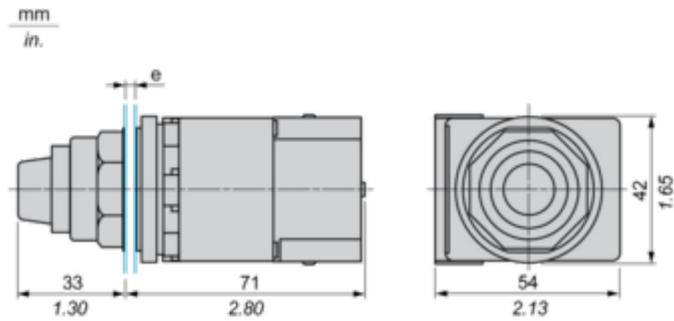
Packing Units

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
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Dimensions Drawings

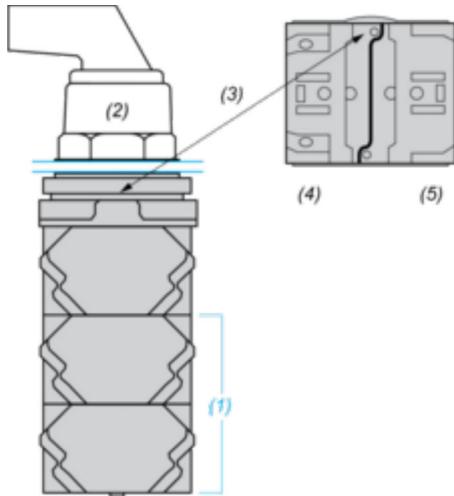
Dimensions

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

Product data sheet PTT LIGHT, 120VAC LED, RED

Specifications

TAGS: LT0335



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
[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 0.55 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

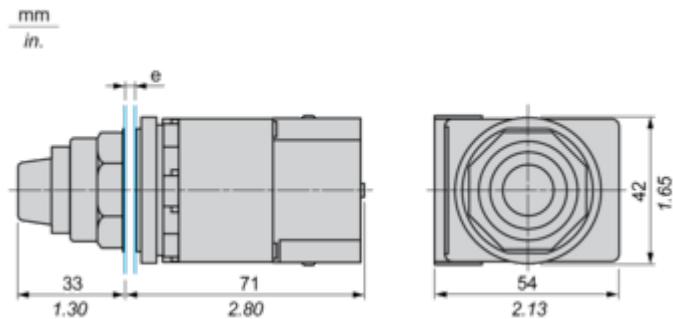
Packing Units

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
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Dimensions Drawings

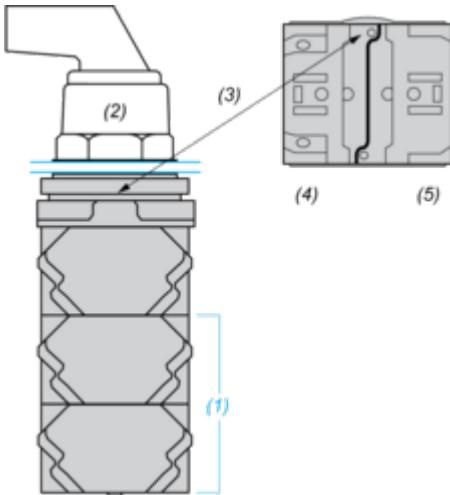
Dimensions

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

Product data sheet

PTT LIGHT, 120VAC LED, AMBER

Specifications

TAGS: LT0402, LT0408, LT0409



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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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

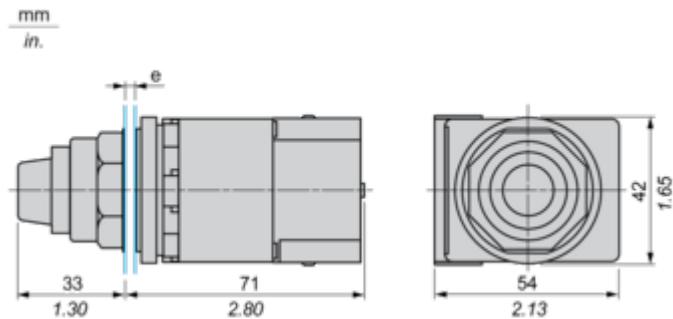
Repair	No
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Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

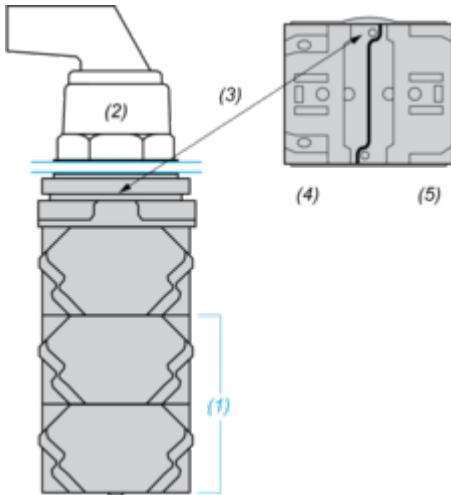
Dimensions

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

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony 9001SK



Offer Marketing Illustration

Product benefits / Features



Data Sheet 5

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Schneider Electric: Pushbutton, Black Model Number: 9001SKR1B</p> <p>Tags/Service: PB0310 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Plastic bezel material • Octagonal shape of signaling unit head • Without contact block and light source • NEMA 4X rated degree of protection • Black operator color • Flush operator profile • Spring return operator
1	<p>Mfg: Schneider Electric: 1 NO Contact Model Number: 9001KA2</p> <p>Tags/Service: PB0310 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 1 NO contact composition • Standard contact operation • Silver alloy contact material • 10A conventional free air thermal current • 0.55A rated operation current • 120VAC rated operational voltage

	<ul style="list-style-type: none"> • 60kA rated short-circuit making capacity • 6kA rated breaking capacity
2	<p>Mfg: Schneider Electric: 1 NC Contact Model Number: 9001KA3</p> <p>Tags/Service: PB0310 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 1 NC contact composition • Standard contact operation • Silver alloy contact material • 10A conventional free air thermal current • 0.55A rated operation current • 120VAC rated operational voltage • 60kA rated short-circuit making capacity • 6kA rated breaking capacity

Product data sheet

PUSHBUTTON, BLACK

Specifications

TAGS: PB0310



Push button head, Harmony
9001SK, plastic, flush, black, 30mm,
spring return

9001SKR1B

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001SK
Product or Component Type	Head for push-button
Device short name	9001SK

Complementary

Bezel material	Plastic
Mounting diameter	1.2 in (30 mm)
Shape of signaling unit head	Octagonal
Light source	without
Light block supply	Without supply
Contacts type and composition	Without contact block
Product Certifications	CE CSA LR24590 class 3211 03 UL listed file E42259 CCN NKCR
NEMA degree of protection	NEMA 3R/4X/13
Cap/operator or lens colour	Black
Operator profile	Flush
Type of operator	Spring return
Size	30 mm

Environment

IP Degree of Protection	IP65 IP66
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Ordering and shipping details

Category	US10CS121429
Discount Schedule	0CS1
GTIN	785901793878
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

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

Package 1 Height	2.800 in (7.112 cm)
Package 1 Width	2.300 in (5.842 cm)
Package 1 Length	2.00 in (5.08 cm)
Package weight(Lbs)	1.600 oz (45.359 g)

Contractual warranty

Warranty (in months) 18

Product data sheet

1 NO CONTACT

Specifications

TAGS: PB0310



30mm Push Button, Types K, SK or KX, contact block, 1 NO

9001KA2

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001K Harmony 9001SK
Product or Component Type	Contact block
Device short name	9001K
Contacts type and composition	1 NO

Complementary

Terminals description ISO n°1	(1-2)NC
Net Weight	0.051 lb(US) (0.023 kg)
Contact operation	Standard
Positive opening	Without
Connections - terminals	Screw clamp terminals, 1 x 0.22...2 x 2.5 mm ² IEC 60947-1
Tightening torque	7.08 lbf.in (0.8 N.m) IEC 60947-1
Shape of screw head	Cross slotted
Contacts material	Silver alloy contacts
Short-circuit protection	10 A cartridge fuse IEC 60947-5-1
[I _{th}] conventional free air thermal current	10 A
[U _i] rated insulation voltage	250 V 3)IEC 60947-1
[U _{imp}] rated impulse withstand voltage	2.5 kV IEC 60947-1
[I _e] rated operational current	3 A 240 V, AC-15, A600-Q600 NEMA 0.55 A 125 V, DC-13, A600-Q600 NEMA
[I _{cm}] 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 0.27 kA 250 V DC-13, 7200 VA 0.55 kA 125 V DC-13, 7200 VA 0.1 kA 600 V DC-13
Rated breaking capacity	3 kA 240 V AC-15, 720 VA 6 kA 120 V AC-15, 720 VA 1.2 kA 600 V AC-15, 720 VA 1.5 kA 480 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
[U _s] rated supply voltage	0...600 V
Connections - Terminals	Screw-clamp terminals

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

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
Standards	IEC 60947-5-4 JIS C 852 IEC 60947-5-1 JIS C 4520 CSA C22.2 No 14 UL 508 IEC 60947-1 UL 60947-5-1
Product Certifications	UL 508 NEMA
Vibration resistance	7 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27

Ordering and shipping details

Category	US10CS121434
Discount Schedule	0CS1
GTIN	785901880011
Returnability	Yes
Country of origin	MX

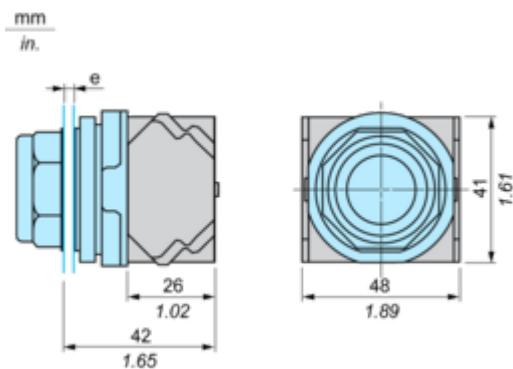
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.181 in (3.000 cm)
Package 1 Width	1.575 in (4.000 cm)
Package 1 Length	1.969 in (5.000 cm)
Package weight(Lbs)	0.776 oz (22.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	100
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	5.269 lb(US) (2.390 kg)

Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

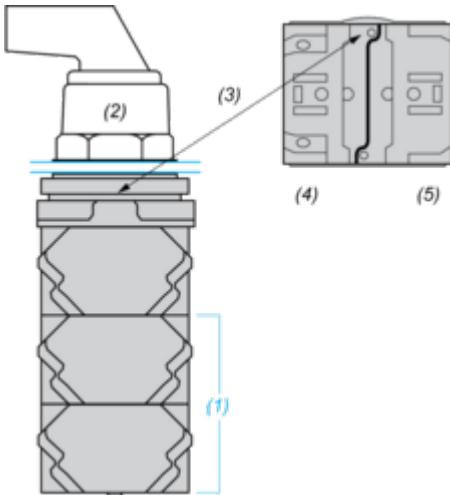
Dimensions

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

Product data sheet

1 NC CONTACT

Specifications

TAGS: PB0310



30mm Push Button, Types K, SK or KX, contact block, 1 NC

9001KA3

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony 9001K Harmony 9001SK
Product or Component Type	Contact block
Device short name	9001K
Contacts type and composition	1 NC

Complementary

Terminals description ISO n°1	(3-4)NO
Net Weight	0.051 lb(US) (0.023 kg)
Contact operation	Positive opening
Positive opening	With IEC 60947-5-2
Connections - terminals	Screw clamp terminals, 1 x 0.22...2 x 2.5 mm ² IEC 60947-1
Tightening torque	7.08 lbf.in (0.8 N.m) IEC 60947-1
Shape of screw head	Cross slotted
Contacts material	Silver alloy contacts
Short-circuit protection	10 A cartridge fuse IEC 60947-5-1
[Ith] conventional free air thermal current	10 A
[Ui] rated insulation voltage	250 V 3)IEC 60947-1
[Uiimp] rated impulse withstand voltage	2.5 kV IEC 60947-1
[Ie] rated operational current	3 A 240 V, AC-15, A600-Q600 NEMA 0.55 A 125 V, DC-13, A600-Q600 NEMA
[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 0.55 kA 125 V DC-13 0.1 kA 600 V DC-13 0.27 kA 250 V DC-13
Rated breaking capacity	3 kA 240 V AC-15, 720 VA 6 kA 120 V AC-15, 720 VA 1.2 kA 600 V AC-15, 720 VA 1.5 kA 480 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
[Us] rated supply voltage	0...600 V
Connections - Terminals	Screw-clamp terminals

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

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
Standards	UL 508 JIS C 4520 JIS C 852 IEC 60947-5-4 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 UL 60947-5-1
Product Certifications	NEMA UL 508
Vibration resistance	7 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27

Ordering and shipping details

Category	US10CS121434
Discount Schedule	0CS1
GTIN	785901880028
Returnability	Yes
Country of origin	MX

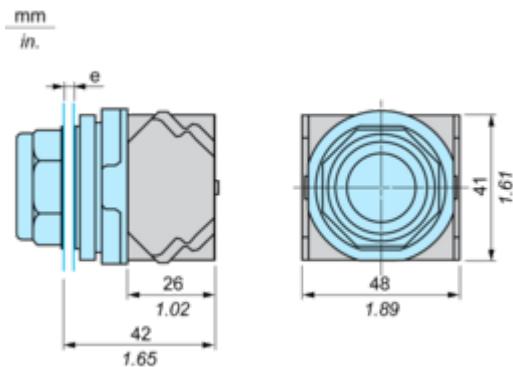
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.378 in (3.500 cm)
Package 1 Width	1.654 in (4.200 cm)
Package 1 Length	2.008 in (5.100 cm)
Package weight(Lbs)	0.811 oz (23.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	100
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	5.196 lb(US) (2.357 kg)

Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

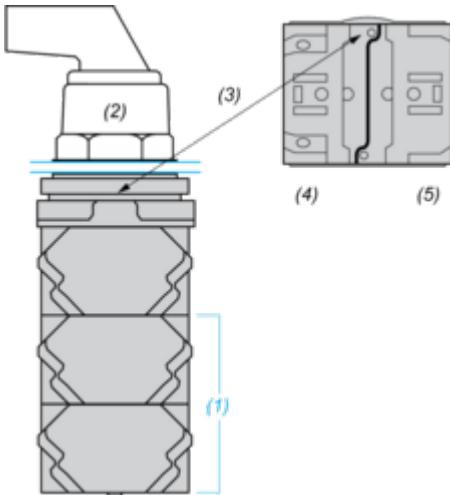
Dimensions

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 6

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Schneider Electric: 3 Position Switch, Black Model Number: 9001SKS43BH2</p> <p>Tags/Service: SS0321 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• Plastic bezel material• 3 position, 2 C/O contact composition• Standard handle operator profile• Black operator color• Stay put operator type

Product data sheet

3 POSITION SWITCH, BLACK

Specifications

TAGS: SS0321



Selector switch, Harmony 9001SK, plastic, standard handle, black, 30mm, 3 positions, stay put, 2 C/O

9001SKS43BH2

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product Harmony 9001SK

Product or Component Type Selector switch

Device short name 9001SK

Complementary

Bezel material Plastic

Mounting diameter 1.2 in (30 mm)

Operator position information 3 positions

Contacts type and composition 2 C/O

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
CE
CSA LR24590 class 3211 03

Ordering and shipping details

Category US10CS121429

Discount Schedule 0CS1

GTIN 785901043799

Returnability Yes

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

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) 4.000 oz (113.398 g)

Contractual warranty

Warranty (in months) 18

Data Sheet 7

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Square D: CPT-480/120V, 150VA Model Number: 9070TF150D1</p> <p>Tags/Service: T0315 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• 480VAC primary, 120VAC secondary voltage• Accepts CC fuse types• Screw clamp terminal electrical connection• Copper winding material

Product data sheet

CPT-480/120V, 150VA

Specifications

TAGS: T0315

SQUARE D



Industrial control transformer, Type TF, 1 phase, 150VA, 240x480V primary, 120V secondary, 50/60Hz

9070TF150D1

Product availability: Stock - Normally stocked in distribution facility

Main

Product or Component Type	Industrial Control Transformer
Type	TF

Complementary

Number of Phases	1 phase
Power Rating	150 VA UL 150 VA CSA 150 VA NOM 150 VA CE
Primary to Secondary Voltage	240 x 480 V 120 V 230 x 460 V 115 V 220 x 440 V 110 V
Fuse type	0.41 x 1.50 in CC top
Temperature rise	55 °C
Electrical Connection	Screw clamp terminals
Height	4.5 in (114.3 mm)
Width	3.75 in (95.25 mm)
Depth	3.59 in (91.19 mm)
Material	Copper: winding
Fingersafe Cover Compatibility	FSC1

Environment

Product Certifications	CSA file LR37055 guide 184-N-90 UL listed file E61239
Enclosure Type	Not rated (open device)
Insulation temperature	221 °F (105 °C)

Ordering and shipping details

Category	US10CP816202
Discount Schedule	0CP8
GTIN	785901904793
Returnability	Yes
Country of origin	MX

Packing Units

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

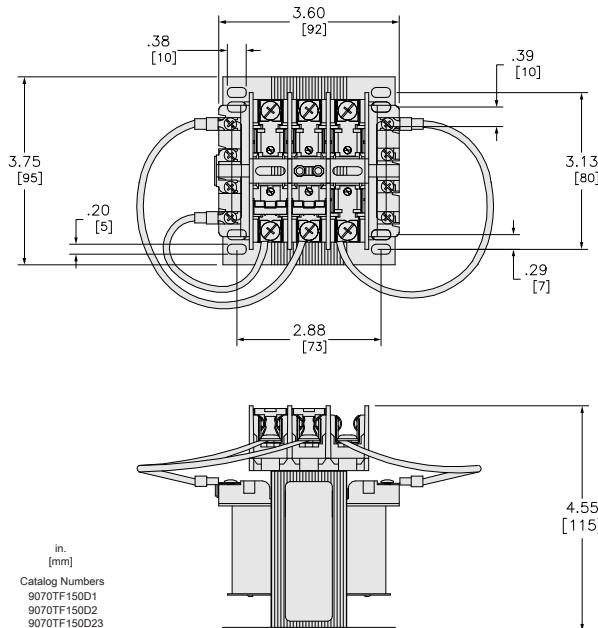
Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.50 in (16.51 cm)
Package 1 Width	7.00 in (17.78 cm)
Package 1 Length	7.700 in (19.558 cm)
Package weight(Lbs)	6.700 lb(US) (3.039 kg)

Contractual warranty

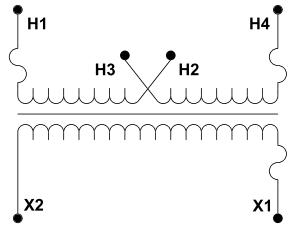
Warranty (in months)	18
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Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

Options

Voltage Code	Voltages		Connections	
	Primary	Secondary	Primary	Secondary
D1	220 x 440 230 x 460 240 x 480	110 115 120	220 or 230 or 240; Connect to H1 and H4 Jumper H1 with H3 Jumper H2 with H4 440 or 460 or 480; Connect to H1 and H4 Jumper H2 with H3	Connect to X1 and X2

REFER TO TECHNICAL DOCUMENTATION FOR COMPLETE INFORMATION.

Data Sheet 8

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Square D: Main Circuit Breaker, 20A Model Number: BDL36020</p> <p>Tags/Service: CB0301 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• 20A line rated current• 3 pole circuit breaker, toggle control type• 18kA breaking capacity• Thermal magnetic trip unit technology• 80% continuous current rating• 44.3 lbf.in tightening torque

Product data sheet

MAIN CIRCUIT BREAKER, 20A

Specifications

TAGS: CB0301

SQUARE D



Circuit breaker, PowerPact B,
20A, 3 pole, 600Y/347VAC, 14kA,
lugs, thermal magnetic, 80%

BDL36020

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 020
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	20 A
Number of Poles	3P
Control Type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA 208Y/120 V AC 50/60 Hz UL 489 25 kA 240 V AC 50/60 Hz UL 489 18 kA 480/277 V AC 50/60 Hz UL 489 18 kA 480 V AC 50/60 Hz UL 489 14 kA 600Y/347 V AC 50/60 Hz UL 489 10 kA 250 V DC UL 489
[Ue] rated operational voltage	525 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA 220...240 V AC 50/60 Hz IEC 60947-2 14 kA 500...525 V AC 50/60 Hz IEC 60947-2 18 kA 380...415 V AC 50/60 Hz IEC 60947-2 18 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.

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

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 in² (25...95 mm²) (AWG 3...AWG 3/0)
Number of slots	1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in) 1 alarm switch SD plug-in)
Power wire stripping length	0.8 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	9
Height	5.4 in (137 mm)
Width	3.2 in (81 mm)
Depth	3.1 in (80 mm)
Net Weight	2.368 lb(US) (1.074 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	EN/IEC 60947-5-1 NEMA AB1 NMX J-266 CSA C22.2 No 5 UL 489 GB 14048.2 EN/IEC 60947-2
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	US10DE201130
Discount Schedule	0DE2
GTIN	3606481152978
Returnability	Yes
Country of origin	MX

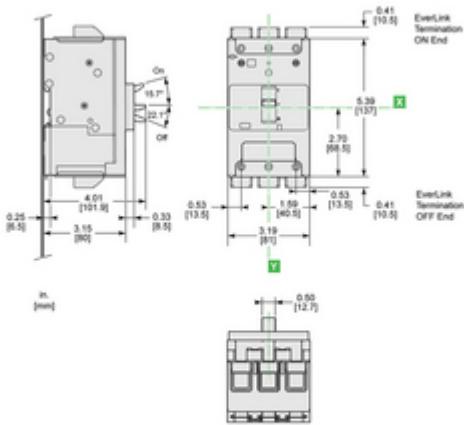
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.5 in (8.9 cm)
Package 1 Width	6.4 in (16.3 cm)
Package 1 Length	10.2 in (25.9 cm)
Package weight(Lbs)	3.13 lb(US) (1.42 kg)

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 9

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Weidmuller: Circuit Breaker, 120VAC, 2A Model Number: 9926251002</p> <p>Tags/Service: CB0319 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120VAC 50/60Hz nominal supply voltage• 2A rated current• 10kA interrupting capacity• 1500V, 50/60Hz dielectric strength• 100MΩ insulation resistance• 10,000 mechanical operation operating life• -40-60° C operating temperature• 20lb-in tightening torque

9926 Series Branch Rated Circuit Breakers-AC Version

Circuit Breakers
Hydraulic Magnetic Type

- Single pole and double pole versions
- Higher current ratings made of 2 or 3 poles in parallel
- KM trip curve for general purpose applications
- 120/240 VAC, 50/60 Hz
- Up to 25A
- Just 13 mm wide
- Mounts on 35mm DIN-rail
- UL 489 listed, CSA C22.2 No. 5-02, CE

9926 Series
Single Pole

9926 Series
Double Pole


Ordering Data		
Current Ratings (amps)	Part No.	Type: Single Pole
0.5	9926251000	QL-1-13-DM-KM-0.5
1	9926251001	QL-1-13-DM-KM-01
2	9926251002	QL-1-13-DM-KM-02
3	9926251003	QL-1-13-DM-KM-03
4	9926251004	QL-1-13-DM-KM-04
5	9926251005	QL-1-13-DM-KM-05
6	9926251006	QL-1-13-DM-KM-06
7	9926251007	QL-1-13-DM-KM-07
8	9926251008	QL-1-13-DM-KM-08
10	9926251010	QL-1-13-DM-KM-10
13	9926251013	QL-1-13-DM-KM-13
15	9926251015	QL-1-13-DM-KM-15
16	9926251016	QL-1-13-DM-KM-16
20	9926251020	QL-1-13-DM-KM-20
25	9926251025	QL-1-13-DM-KM-25

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

Technical Data

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

Approval

UL 489 listed, CSA C22.2 No. 5-02, CE

Accessories	Part No.
Bus-bar (54 pole, insulated)	67101904

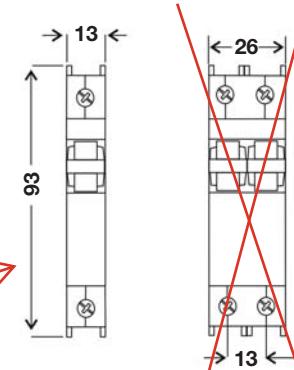
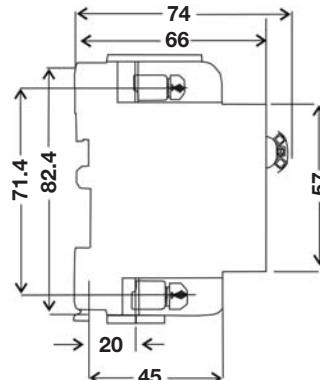
*Wire sizes: gauges specified are the minimum allowable as per CSA and UL standards

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.

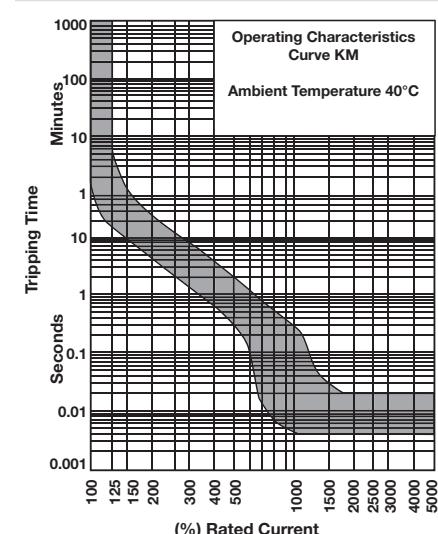
The part number for adhesive SchS2 is 1720600000.

9926 Series AC Version - dimensions in mm**Trip Curves—Hydraulic Magnetic Type**
Typical time/current characteristics at 40°C**Sample trip characteristics**

	125%	150%	200%	400%	600%	800%	1000%
minimum (sec)	15	8	4	0.7	0.09	0.007	0.005
maximum (sec)	300	90	28	4	1.5	0.6	0.4

Although the 9926 series uses a magnetic only trip mechanism, CSA testing indicates a trip characteristic similar to thermal magnetic trip mechanisms. No de-rating is required at elevated temperatures.

Additional trip curves and amp ratings are available upon request.

9926 Series—AC version

Data Sheet 10

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
4	<p>Mfg: Schneider Electric: Miniature Relay, 120VAC, 8 Blade Model Number: RXM2AB2F7</p> <p>Tags/Service: CR0324, CR0332, CR0336, CR0401 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Miniature plug-in relay • 2 C/O contacts • With status LED and lockable test button • 120VAC control circuit voltage • 10A continuous output current • 12A rated operational current • 100000 cycles resistive electrical durability • 1.2VA average power consumption • Silver nickel contact material
4	<p>Mfg: Schneider Electric: Relay Socket, 120VAC, 8 Blade, DIN Model Number: RXZE2M114</p> <p>Tags/Service: CR0324, CR0332, CR0336, CR0401 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • For miniature plug-in relay RXM, 2 C/O contact composition • Screw clamp terminals, clip-on DIN rail mounting

- | | |
|--|---|
| | <ul style="list-style-type: none">• Mixed contact terminal arrangement• < 300VAC UL rated operational voltage |
|--|---|

Product data sheet

MINIATURE RELAY, 120VAC, 8 BLADE

Specifications

TAGS: CR0324, CR0332, CR0336, CR0401



miniature plug in relay, Harmony Electromechanical Relays, 12A, 2CO, with LED, lockable test but to n, 120V AC

RXM2AB2F7

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony Electromechanical Relays
Series name	RXM series
Product or Component Type	Plug-in relay
Relay Type	Miniature relay
Contacts type and composition	2 C/O
Status LED	With
Control Type	Lockable test button
[Uc] control circuit voltage	120 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	12 A
Continuous output current	10 A

Complementary

[Ui] rated insulation voltage	4 kV 1.2/50 µs
[Ie] rated operational current	12 A 28 V DC NO IEC 12 A 250 V AC NO IEC 6 A 28 V DC NC IEC 6 A 250 V AC NC IEC 12 A 28 V DC UL 12 A 277 V AC UL
Minimum switching capacity	170 mW 10 mA, 17 V
Electrical durability	100000 cycles resistive
Average coil consumption in VA	1.2 60 Hz
Rated operational voltage limits	96...132 V AC
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Average consumption	1.2 VA 60 Hz
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	>= 0.15 Uc
Load current	12 A 250 V AC 12 A 28 V DC
Operating time	20 ms
Maximum switching capacity	3000 VA/336 W
Average resistance	4430 Ohm 20 °C +/- 15 %

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

Mechanical durability	10000000 cycles
Safety reliability data	B10d = 100000
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
CAD overall height	3.1 in (79 mm)
CAD overall depth	3.09 in (78.45 mm)
reset time	20 ms
Dielectric strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation
Compatibility code	RXM
Protection category	RT I
Pollution degree	3
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat (faston type)
Net Weight	0.082 lb(US) (0.037 kg)

Environment

Ambient air temperature for operation	-40...131 °F (-40...55 °C)
IP degree of protection	IP40 conforming to IEC 60529
Standards	CSA C22.2 No 14 IEC 61810-1 UL 508
Product Certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Shock resistance	10 gmin operation 30 gnot operating

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3389119403504
Returnability	Yes
Country of origin	CN

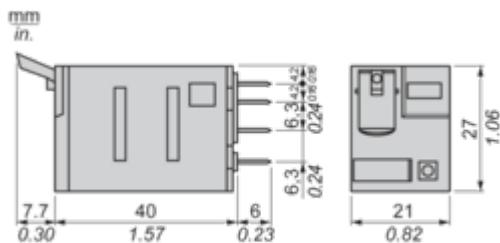
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.827 in (2.100 cm)
Package 1 Width	1.063 in (2.700 cm)
Package 1 Length	1.811 in (4.600 cm)
Package weight(Lbs)	1.305 oz (37.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.181 in (3.000 cm)
Package 2 Width	4.016 in (10.200 cm)
Package 2 Length	4.921 in (12.500 cm)
Package 2 Weight	13.686 oz (388.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	240
Package 3 Height	5.906 in (15.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	21.625 lb(US) (9.809 kg)

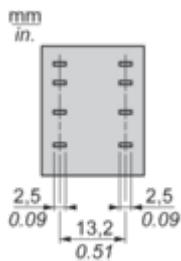
Contractual warranty

Warranty (in months)	18
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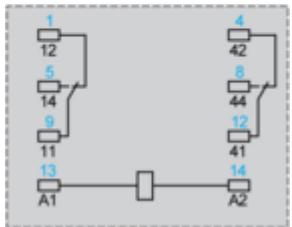
Dimensions Drawings

Dimensions

Pin Side View



Connections and Schema

Wiring Diagram

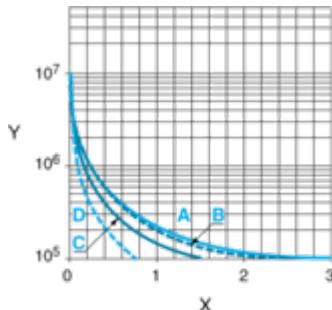
Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



X Switching capacity (kVA)

Y Durability (Number of operating cycles)

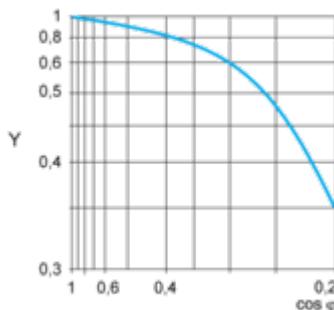
A RXM2AB...

B RXM3AB...

C RXM4AB...

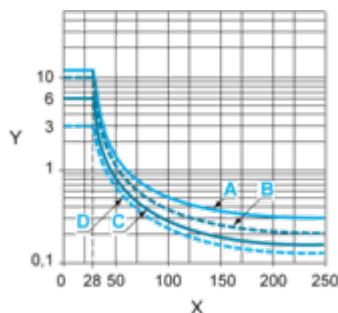
D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor $\cos \phi$)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

A RXM2AB...

B RXM3AB...

C RXM4AB...

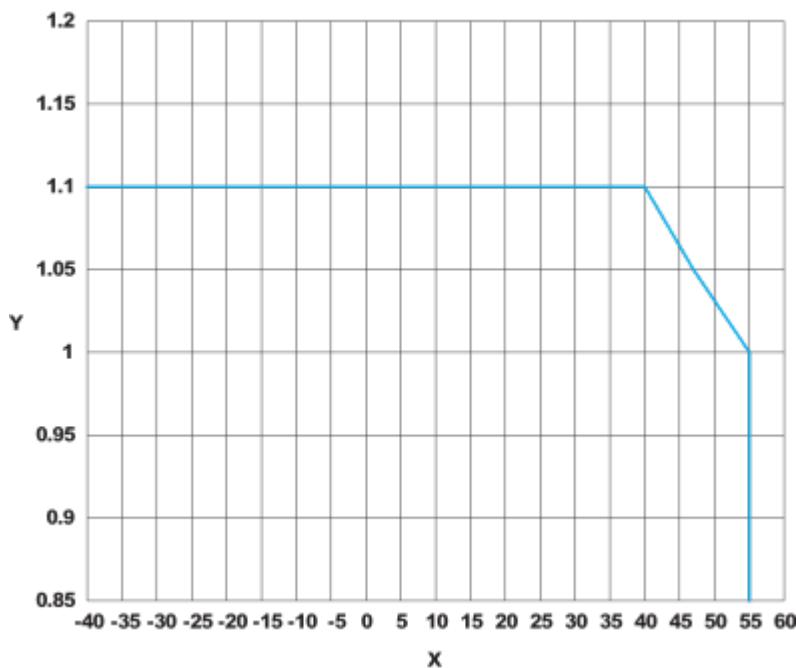
D RXM4GB...

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/free Wheeling diode -DC load only-).

For low level loads (below 10mA), we recommend to use RXM*GB series with bifurcated contacts relays instead.

AC Coil Voltage and Operating Temperature under continuous duty

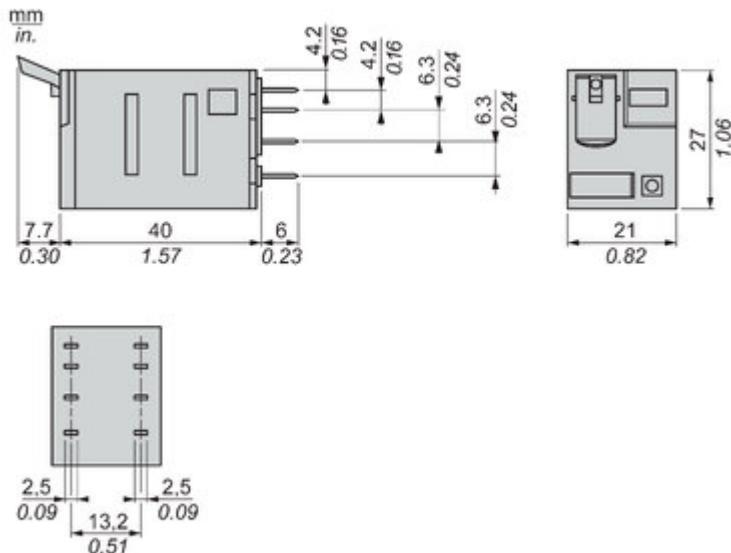


X : Operating temperature (°C)

Y : AC coil voltage (UC)

Technical Illustration

Dimensions



Product data sheet

Specifications

MINIATURE RELAY SOCKET, 120VAC, 8 BLADE, DIN



Harmony, plugin relay socket, mixed contact, 10 A, 250 V, screw clamp, for RXM2 or RXM4 relays

RXZE2M114

TAGS: CR0324, CR0332, CR0336, CR0441

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony Electromechanical Relays Harmony Timer Relays
Product compatibility	Plug-in relay RXM 2 C/O Plug-in relay RXM 4 C/O Plug-in relay REXL 2 C/O Plug-in relay REXL 4 C/O Plug-in relay 782H 4 C/O
Device short name	RXZ
[I _{th}] conventional free air thermal current	10 A
Product or Component Type	Socket
Contacts type and composition	4 C/O

Complementary

[U _e] rated operational voltage	< 250 V IEC < 300 V UL
Connections - terminals	Screw clamp terminals, 1 x 0.34...1 x 1 mm ² AWG 22...AWG 17) flexible with cable end Screw clamp terminals, 2 x 0.34...2 x 1 mm ² AWG 22...AWG 17) flexible with cable end Screw clamp terminals, 1 x 0.5...1 x 1.5 mm ² AWG 20...AWG 16) solid without cable end Screw clamp terminals, 2 x 0.5...2 x 1.5 mm ² AWG 20...AWG 16) solid without cable end
Shape of pin	Flat
Tightening torque	< 1 N.m M3
Fixing mode	By screw (panel) Clip-on (35 mm symmetrical DIN rail)
Wire stripping length	0.3 in (8 mm)
Contact terminal arrangement	Mixed
[U _{imp}] rated impulse withstand voltage	4 kV
Overvoltage category	III
Pollution degree	3
Sale per indivisible quantity	10
Width	1.2 in (30 mm)
Net Weight	0.112 lb(US) (0.051 kg)

Environment

IP degree of protection	IP20 conforming to IEC 60529
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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.

Dielectric strength	2500 V
Standards	IEC 61984
Product Certifications	UL CSA Lloyd's
Marking	CE
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-40...131 °F (-40...55 °C)

Ordering and shipping details

Category	US10CP221128
Discount Schedule	0CP2
GTIN	3389119404242
Returnability	Yes
Country of origin	CN

Packing Units

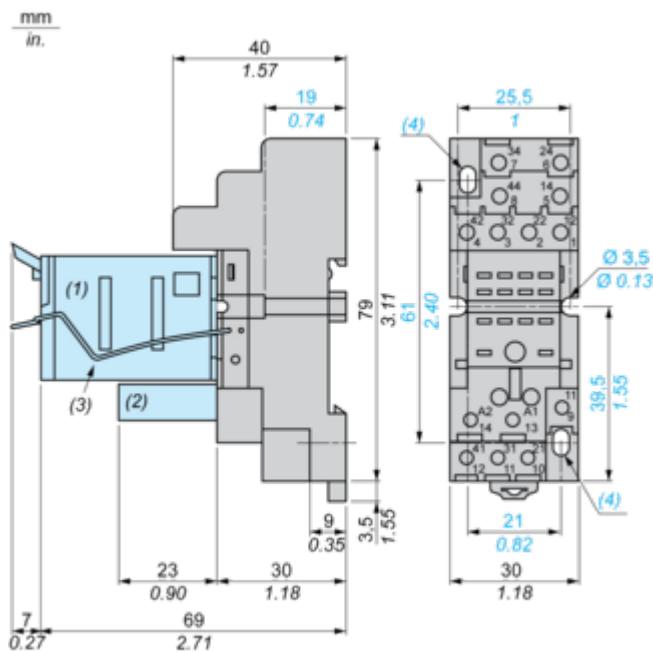
Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.024 in (2.600 cm)
Package 1 Width	1.220 in (3.100 cm)
Package 1 Length	2.756 in (7.000 cm)
Package weight(Lbs)	1.975 oz (56.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	2.992 in (7.600 cm)
Package 2 Width	3.504 in (8.900 cm)
Package 2 Length	6.102 in (15.500 cm)
Package 2 Weight	21.164 oz (600.000 g)
Unit Type of Package 3	S03
Number of Units in Package 3	200
Package 3 Height	11.811 in (30.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	27.445 lb(US) (12.449 kg)

Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

Dimensions



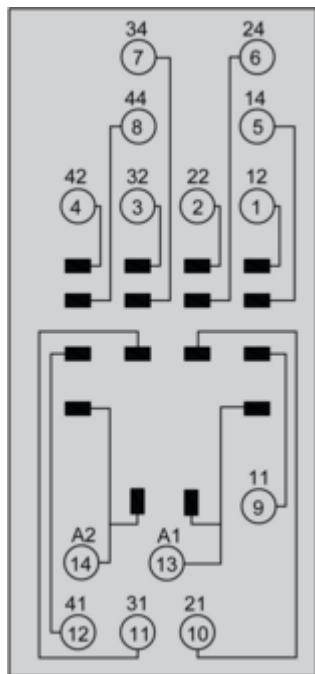
(1) Relays

(2) Protection module

(3) Maintaining clamp

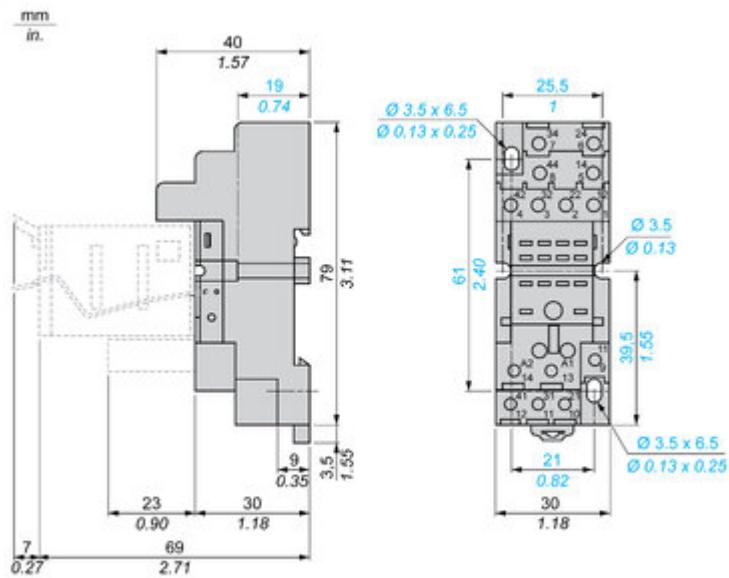
(4) 2 elongated holes Ø 3.5 mm x 6.5 mm / Ø 0.13 in. x 0.25 in.

Connections and Schema

Wiring Diagram

Technical Illustration

Dimensions



Data Sheet 11

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Mersen: Fuse, Fast Acting, 2A Model Number: ATMR2</p> <p>Tags/Service: FU0315B / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Fast acting, very current limiting • 200kA I.R. AC rating • For individual component and branch circuit protection • 600VAC voltage rating
4	<p>Mfg: Mersen: Fuse, Fast Acting, 0.5A Model Number: ATMR1/2</p> <p>Tags/Service: FU0304, FU0304A, FU0305, FU0305A / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Fast acting, very current limiting • 200kA I.R. AC rating • For individual component and branch circuit protection • 600VAC voltage rating
2	<p>Mfg: Mersen: Fuse, Time Delay, 0.8A Model Number: ATQR8/10</p>

	<p>Tags/Service: FU0315, FU0315A / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Time delay, class CC fuse • 200kA I.R. AC rating • For control transformer inrush loads • Highly current limiting for low peak let-thru current • 600VAC voltage rating • High-grade silica filler for fast arc quenching and high current limitation
1	<p>Mfg: Mersen: Class CC Fuse Block, 4 Poles Model Number: 30324R</p> <p>Tags/Service: BLOCK / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Pressure plate with double quick-connects • 600VAC voltage rating • 30A maximum current • 10kA SCCR when using quick connect terminal • Tin-plated copper alloy fuse clips • 20in-lb tightening torque

FUSE, FAST ACTING, 2A

TAGS: FU0315B

FUSE, FAST ACTING, 0.5A

TAGS: FU0304, FU0304A, FU0305, FU0305A

ATMR

Fast Acting/Class CC

UL/CSA LISTED POWER FUSES

SMALL FUSE - BIG PROTECTION
FOR GENERAL CIRCUITS

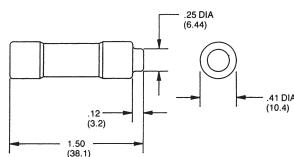


Amp-Trap® ATMR fuses, in the Class CC family, are the smallest dimension 600VAC/DC fuses suitable for branch circuit protection. The ATMR is a popular choice for economical protection of control circuits and control circuit transformers where available short circuit currents exceed 10,000 amperes. ATMR's rejection dimensions prevent substitution by lesser rated fuses. These fast acting fuses give current-limiting protection to general circuits.

CATALOG NUMBERS (AMPS)

ATMR1/10	ATMR1	ATMR4	ATMR10
ATMR1/8	ATMR11/4	ATMR5	ATMR12
ATMR2/10	ATMR11/2	ATMR6	ATMR15
ATMR1/4	ATMR2	ATMR7	ATMR20
ATMR2/10	ATMR2 1/2	ATMR8	ATMR25
ATMR1/2	ATMR3	ATMR9	ATMR30
ATMR3/4	ATMR3 1/2		

DIMENSIONS



RECOMMENDED FUSE BLOCKS FOR AMP-TRAP® CLASS CC FUSES

Number of Poles	UltraSafe™ Indicating Fuse Holders	Screw Connector with Double Quick Connects	Pressure Plate Connector with Double Quick Connects	Copper Box Connector
Adder	—	30310R	30320R	30350R
1	USCC1I	30311R	30321R	30351R
2	USCC2I	30312R	30322R	30352R
3	USCC3I	30313R	30323R	30353R
3	USFMCC1	—	—	—

A variety of pole configurations and termination provisions are available.
Refer to Section FB for details.

RATINGS

- **Volts:** 600VAC / DC
- **Amps:** 1/10 to 30A
- **I.R.:** 200kA I.R. AC,
100kA I.R. DC

HIGHLIGHTS

- Fast acting
- Very current limiting

FEATURES/BENEFITS

- Rejection-style design prevents replacement errors when used with recommended fuse blocks
- Versatile design for individual component and branch circuit protection

APPLICATIONS

- Control circuits
- Lighting
- General loads
- Branch circuit protection

APPROVALS/STANDARDS

- UL Listed to Standard 248-4 File E2137
- CSA Certified to Standard C22.2 No. 248.4
- DC listed to UL Standard 248



FUSE, TIME DELAY, 0.8A

TAGS: FU0315, FU0315A

ATQR

Time Delay/Class CC

UL/CSA LISTED POWER FUSES

TAKE CONTROL OF FAULT CURRENTS HEADED FOR YOUR CONTROL TRANSFORMER



ATQR small-dimension fuses feature time-delay characteristics ideally suited for the high inrush currents of control transformers, solenoids, and similar inductive loads. Mersen's ATQR fuses provide superior protection for the branch circuits of electrical distribution systems.

FEATURES/BENEFITS

- Time delay for control transformer inrush loads without nuisance opening
- Highly current limiting for low peak let-thru current
- Rejection-style design prevents replacement errors (when used with recommended fuse blocks)
- High visibility orange label ensures instant brand recognition, and simplifies replacement
- Metal-embossed date and catalog number for traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- High-grade silica filler ensures fast arc quenching and high current limitation

HIGHLIGHTS

- Time delay
- Best choice for small transformer protection
- Current limiting

RATINGS

Volts: 600VAC (1/10-30A),
300VDC (3-2/10 - 30A)

Amps: 1/10 to 30A

I.R.: 200kA I.R. AC,
100kA I.R. DC

APPLICATIONS

- Control transformers
- Solenoids
- Inductive loads
- Lighting, heating, and general-purpose loads

Note: See motor fuse applications tables for more information

APPROVALS/STANDARDS

- UL listed to standard 248-4 File E2137
- DC listed to UL standard 248
- CSA certified to standard C22.2 No. 248.4



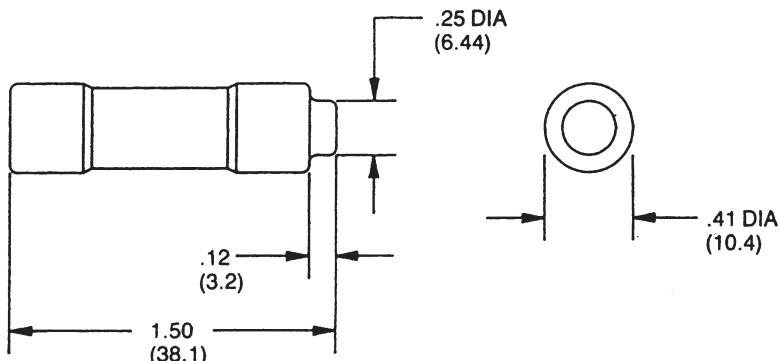
CATALOG NUMBERS (AMPS)

ATQR1/10	ATQR8/10	ATQR2-8/10	ATQR7 1/2
ATQR1/8	ATQR1	ATQR3	ATQR8
ATQR3/16	ATQR11/8	ATQR3 2/10	ATQR9
ATQR2/10	ATQR11/4	ATQR3 1/2	ATQR10
ATQR1/4	ATQR1 4/10	ATQR4	ATQR12
ATQR3/10	ATQR11/2	ATQR4 1/2	ATQR15
ATQR4/10	ATQR1 6/10	ATQR5	ATQR17 1/2
ATQR1/2	ATQR1 8/10	ATQR5 6/10	ATQR20
ATQR6/10	ATQR2	ATQR6	ATQR25
ATQR3/4	ATQR2 1/4	ATQR6 1/4	ATQR30
	ATQR2 1/2	ATQR7	

RECOMMENDED FUSE BLOCKS
FOR CLASS CC FUSES

Number of Poles	Catalog Numbers			
	UltraSafe™ Indicating Fuse Holder	Screw Connector w/ Double Quick Connects	Pressure Plate Connector w/ Double Quick Connects	Copper Box Connector
Adder	—	30310R	30320R	30350R
1	USCC1I	30311R	30321R	30351R
2	USCC2I	30312R	30322R	30352R
3	USCC3I	30313R	30323R	30353R
3	USFMCCI	—	—	—

DIMENSIONS



CLASS CC FUSE BLOCK, 4 POLES

TAGS: BLOCK

Midget & Class CC

600 Volt Fuse Blocks

FUSE BLOCKS & HOLDERS

600 VOLT MIDGET AND CLASS CC FUSE BLOCKS



F
B

Mersen midget fuse blocks accommodate all 30 ampere 1-1/2" x 13/32" midget fuses. Class CC fuse blocks accommodate all 30 ampere Class CC fuses. A choice of box, screw, or pressure-plate connectors fit a wide range of stranded or solid copper wire. Insulators are glass-filled polycarbonate (GFPC) with verified dielectric strength in excess of 2500V. Fuse blocks feature a unique adder block which can be snapped onto 1-, 2- or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper alloy.

RECOMMENDED FUSE USAGE:

- **Midget Fuse Block** use with ATQ, ATM, A6Y-2B, A25Z-2, TRM, OTM, A15QS-2, GFN, GGU, A60Q-2, DCT
- **Class CC Fuse Block** use with ATDR, ATMR, ATQR

CLIP & CONNECTOR TYPES

30A MIDGET/CC			
COPPER BOX CONNECTOR	SCREW WITH DOUBLE QUICK-CONNECTS	PRESSURE PLATE WITH DOUBLE QUICK-CONNECTS	PRESSURE PLATE WITH DOUBLE QUICK-CONNECTS (CLASS CC REJECTION END)

RATINGS:

Midget Block

- **Volts:** 600VAC / DC
- **Amps:** 30A Maximum
- **SCCR:** 100kA (depending on fuse I.R.); 10kA (when using quick connect terminal)

Class CC Block

- **Volts:** 600VAC / DC
- **Amps:** 30A Maximum
- **SCCR:** 200kA, 10kA (when using quick connect terminal)

Temperature/flammability GFPC insulators rated 125°C, 94V-O flammability.

APPROVALS:

All fuse blocks meet the requirements of UL 4248

Midget Block

- UL recognized component guide IZLT2, File E52283
- CSA certified class 6225, File 32169

Class CC Block

- UL listed, guide IZLT, File E52283
- CSA certified class 6225, File 32169



600 VOLT, 30A MIDGET AND CLASS CC FUSE BLOCKS

Connector Type	Wire Range	Poles*	Catalog No.	Midget Listing	Class CC Listing	Torque In - lb
Screw w/ double quick connects at both ends	Cu #10-14	ADDER	30310		30310R	
		1	30311	UL Rec. & CSA	30311R	
		2	30312		30312R	UL & CSA
		3	30313		30313R	
		4	30314		30314R	20
Pressure plate (sems) w/double quick connects at both ends	Cu #10-14	ADDER	30320		30320R	
		1	30321	UL Rec. & CSA	30321R	
		2	30322		30322R	UL & CSA
		3	30323		30323R	
		4	30324		30324R	20
Copper box	Cu #6-14	ADDER	30350		30350R	
		1	30351	UL Rec. & CSA	30351R	
		2	30352		30352R	UL & CSA
		3	30353		30353R	
		4	30354		30354R	35

Note: To convert Midget or Class CC adder pole to single pole, use end barrier #U09301.

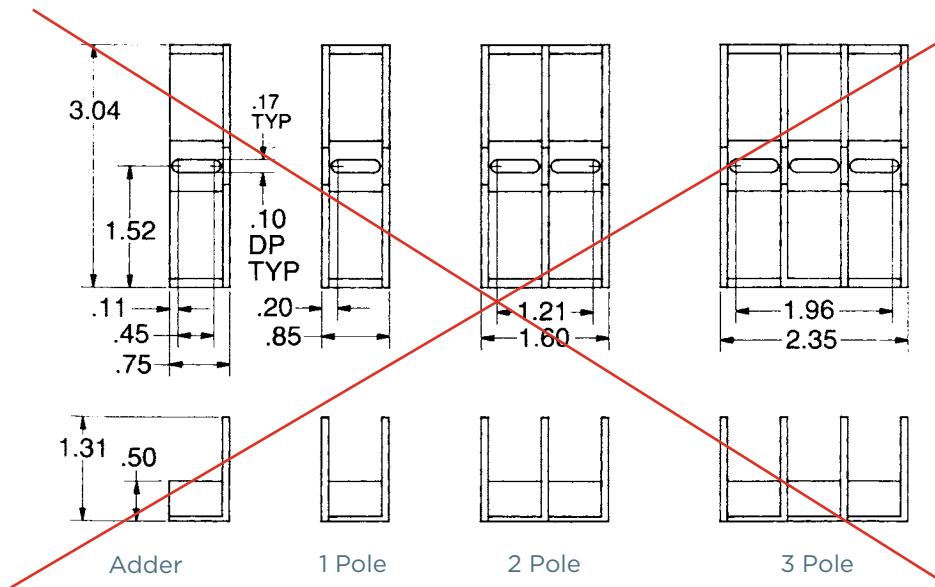
* Available in any number of poles. Replace last digit in Catalog Number with number of poles needed.

Example: 30311 is a 12-pole screw/double QC connector Midget Fuse Block.

Total width of N poles = (N x .76) + .08 inches. 12 poles = (12 x .76") + .08" = 9.20".

Recommended mounting screws for all Midget and Class CC fuse blocks: #8 (.164" dia.)

DIMENSIONS

F
B

Data Sheet 12

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Citel: Transient Voltage Surge Suppressor Model Number: DS43S-480</p> <p>Tags/Service: TVSS / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• 120kA total maximum discharge current• 480VAC rated voltage• -35-60° C ambient temperature range• 100kA SCCR rating• DIN rail mounting• IP20 environmental rating• -40/85° F operating temperature min/max



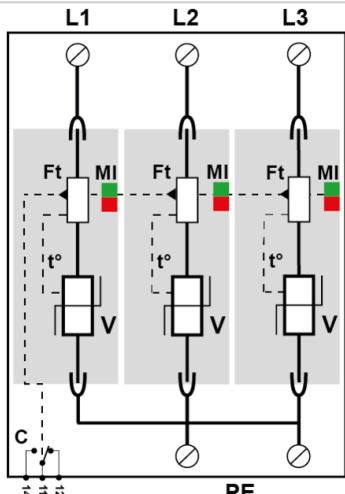
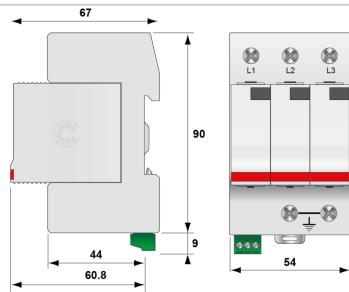
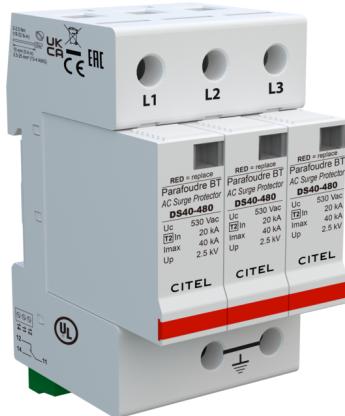
CITEL

UL TYPE 1 SPD - Imax 40kA - In 20kA - Modular

DS43S-480

TRANS. VOLTAGE SURGE SUPPRESSOR

TAGS: DS43S-480



V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

Network	800 V 3-phase	
Total Maximum discharge current max. total withstand @ 8/20 μ s	Imax Total	120 kA
Protection mode(s)		Common mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	480
AC/DC/DC PV/RF		AC
PHASE	(PH)	3D
AMPS	(A)	N/A
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+60
MODES		L-L, L-G
VPR	(V)	4000/-/1800/-
MCOV	(V)	550/-/550/-
IN 15 impulses 8/20 μ s	(kA)	20
SCCR	(kA)	100
IMAX 8/20 μ s	(kA)	40
Imp 10/350 μ s	(kA)	4
Option		
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross sectionMin	mm ²	2.5000
Solid Wire cross sectionMax	mm ²	35.0000
Stranded Wire cross sectionMin	mm ²	2.5000
Stranded wire cross sectionMax	mm ²	25.0000
Wire gaugeMin	AWG	13.0000
Wire gaugeMax	AWG	2.0000
Torque	Nm	2.0 - 2.5
Torque	in-lbs	17.8 - 22.1
Strip Length	mm	13.0000
Strip Length	in	0.5000
Operating TemperatureMin	°C	-40.0000
Operating TemperatureMax	°C	85.0000
Operating TemperatureMin	°F	-40.0000
Operating TemperatureMax	°F	85.0000
Operating Relative HumidityMax	%RH	95
Operating AltitudeMin	Ft	2000.0000
Operating AltitudeMax	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability ratingUL 94		V0
Mounting		Din Rail
IP Environmental ratingIP		IP20
NEMA Environmental ratingNEMA		NEMA 1
Installation Location		Indoor
Spare part		Module
Product DimensionL	mm	99.0000
Product DimensionH	mm	67.0000
Product DimensionW	mm	54.0000
Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	2.1300
Miscellaneous		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000



DS43S-480

Storage TemperatureMax	°F	85.0000
Storage Relative HumidityMax	%RH	95.0000
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
Format		Plug-in modular box
Failsafe mode		Disconnection from AC network
TECHNOLOGY		MOV
NETWORK CONFIGURATION		3PH, 3W+G, Delta
CONNECTION METHOD		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING		Din Rail
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR		Disconnection via fuse-link
REAL-TIME DIAGNOSTICS		Visual indicator and remote contacts
DIMENSIONS		See diagram
WEIGHT		0.90 lbs
SPARE PART		DSM40-480
Standards		
Certification		UL
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA, VZCA7
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
461017		



Data Sheet 13

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
<u>Qty</u>	<u>Description</u>
1	<p>Mfg: Schneider Electric: Reduced Voltage Soft Starter Model Number: ATS490D17Y</p> <p>Tags/Service: RVSS / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none">• Soft starter for asynchronous motors• 480VAC power supply voltage• Normal duty, 17A rated operational current• Heavy duty, 12A rated operation current• IP20 degree of protection• 7.5kW/5.5kW in motor supply line for normal/heavy duty• 10/7.5 maximum horsepower rating for normal/heavy duty operation• 120VAC control circuit voltage

Product data sheet REDUCED VOLTAGE SOFT STARTER

Specifications

TAGS: RVSS



Soft starter, Altivar Soft Starter
ATS490, 17A, 208 to 690V AC,
control supply 110 to 230V AC

ATS490D17Y

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Altivar Soft Starter ATS490
Product or Component Type	Soft starter
Product destination	Asynchronous motors
Product Specific Application	Process and infrastructures
Device short name	ATS490
Phase	3 phase
Utilisation category	AC-3A AC-53A
Ue power supply voltage	208...690 V AC - 15...10 %)
power supply frequency	50...60 Hz - 20...20 %
[Ie] rated operational current	Normal duty 17 A in line 104 °F (40 °C))
Service factor at Ie	100
rated current in heavy duty	12 A at 104 °F (40 °C) heavy duty
IP Degree of Protection	IP20
Motor power kW	<p>4 kW 230 V in the motor supply line normal duty 7.5 kW 400 V in the motor supply line normal duty 7.5 kW 440 V in the motor supply line normal duty 9 kW 500 V in the motor supply line normal duty 9 kW 525 V in the motor supply line normal duty 11 kW 660 V in the motor supply line normal duty 15 kW 690 V in the motor supply line normal duty 3 kW 230 V in the motor supply line heavy duty 5.5 kW 400 V in the motor supply line heavy duty 5.5 kW 440 V in the motor supply line heavy duty 7.5 kW 500 V in the motor supply line heavy duty 7.5 kW 525 V in the motor supply line heavy duty 9 kW 660 V in the motor supply line heavy duty 11 kW 690 V in the motor supply line heavy duty 7.5 kW 230 V to the motor delta terminals normal duty 15 kW 400 V to the motor delta terminals normal duty 5.5 kW 230 V to the motor delta terminals heavy duty 11 kW 400 V to the motor delta terminals heavy duty</p> <p>→</p>
Maximum Horse Power Rating	<p>3 hp 208 V normal duty 5 hp 230 V normal duty 10 hp 460 V normal duty 15 hp 575 V normal duty 2 hp 208 V heavy duty 3 hp 230 V heavy duty 7.5 hp 460 V heavy duty 10 hp 575 V heavy duty</p>
With safety function Safe torque off (STO)	True
Safe Torque Off (STO)	STO (safe torque off): SIL 1 conforming to IEC 61508 STO (safe torque off): PL c/category 2 conforming to ISO 13849
Cybersecurity functions	True

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

Cybersecurity level and standard	Security level (SL) 1 IEC 62443-4-2
Communication Port Protocol	Modbus serial Modbus TCP/EtherNet/IP
Option card	Communication module CANopen daisy chain Communication module CANopen Sub-D Communication module CANopen open style Communication module Profibus DP V1 Communication module PROFINET

Complementary

Device connection	In the motor supply line Inside delta
Overload current profile	400 % I_e for 13 s
On-load factor	50 %
Operating cycles/hour	10 cyc/h
[Us] control circuit voltage	110...230 V AC 50-60 Hz - 15...10 %
Apparent power	70 VA
Integrated motor overload protection	True
motor thermal protection class	Class 10E
Protection type	Phase failure mains Thermal protection starter Thermal protection motor Current overload motor Motor underload motor Excessive acceleration time motor Motor phase loss detection motor Protection against line phase inversion mains External thermal protection motor Protection delta inside wiring starter Short-circuit between motor phase and earth motor
current limiting %In (5 x I_e maximum)	150...700 %
[In] Rated current pwr loss specifctn	17 A
Power loss static current independent	19 W
Power loss per device current dependent	2 W
Power loss during starting	202 W during starting at 40 °C at 400% I_e
Standards	EN/IEC 60947-4-2 UL 60947-4-2 IEC 60664-1
Product Certifications	CE cULus UKCA RCM CCC DNV ATEX EAC KC
Marking	CE cULus UKCA RCM CCC ATEX EAC KC
[Uc] control circuit voltage	24 V DC

Discrete input number	5
Discrete input type	DI1) digital input, 4.4 kOhm DI2) digital input, 4.4 kOhm DI3) digital input, 4.4 kOhm DI4) digital input, 4.4 kOhm STO) digital input, > 1 kOhm
Input compatibility	DI1 discrete input level 1 PLC EN/IEC 61131-2 DI2 discrete input level 1 PLC EN/IEC 61131-2 DI3 discrete input level 1 PLC EN/IEC 61131-2 DI4 discrete input level 1 PLC EN/IEC 61131-2 STO discrete input level 1 PLC EN/IEC 61131-2
Discrete input logic	Digital input DI1 0...< 5 V <= 2 mA > 11 V, >= 5 mA Digital input DI2 0...< 5 V <= 2 mA > 11 V, >= 5 mA Digital input DI3 0...< 5 V <= 2 mA > 11 V, >= 5 mA Digital input DI4 0...< 5 V <= 2 mA > 11 V, >= 5 mA Digital input STO 0...< 5 V <= 2 mA > 11 V, >= 5 mA
Relay output number	3
Relay output type	Relay outputs R1A, R1C NO Relay outputs R2A, R2C NO Relay outputs R3A, R3C NO
Minimum switching current	100 mA 12 V DC relay outputs
Maximum switching current	Relay outputs 2 A / 250 V AC for AC-15 100000 cycles following IEC 60947-5-1 Relay outputs 2 A / 30 V DC for DC-13 150000 cycles following IEC 60947-5-1
Discrete output number	2
Discrete output type	Programmable digital output DQ1 <= 30 V 100 mA Programmable digital output DQ2 <= 30 V 100 mA
Output compatibility	Open collector level 1 PLC IEC 65A-68
Analogue input number	1
Analogue input type	AI1/PTC1 : PTC/PT 100/PT 1000/KTY84 temperature probe PTC2 : PTC/PT 100/PT 1000/KTY84 temperature probe PTC3 : PTC/PT 100/PT 1000/KTY84 temperature probe
Analogue output number	1
Analogue output type	Current output AQ1 : 0...20 mA/4...20 mA , impedance< 500 Ohm Voltage output AQ1 : 0...10 V , impedance> 470 Ohm
Communication port protocol	Modbus serial Modbus TCP/EtherNet/IP
Connector type	1 RJ45 for connecting Modbus serial 1 RJ45 for connecting Modbus TCP/EtherNet/IP
Physical interface	2-wire RS 485 100-BASE-TX category 5 or industrial Ethernet
Transmission frame	RTU TCP/UDP
Transmission Rate	4.8...38.4 kbps 100 BASE TX
Data format	8 bits, configurable odd, even or no parity 1or 2 stop
Number of addresses	0...247 Modbus serial
Method of access	Slave Modbus serial
Type of polarization	No impedance Modbus serial
Display screen available	True
Operating position	Vertical +/- 10 degree
Height	11.1 in (283 mm)
Width	6.3 in (160 mm)

Depth	7.3 in (185 mm)
Net Weight	8.8 lb(US) (4 kg)
internal bypass	True
Function Available	Pre-heating Smoke extraction Second motor set Deceleration with torque control Braking Boost Line contactor control Reverse contactor control Anti-jam Jog Borehole pump starting Condition monitoring Power monitoring Cybersecure firmware update
material declaration	True

Environment

Electromagnetic compatibility	Conducted and radiated emissions level A conforming to IEC 60947-4-2 Damped oscillating waves level 3 conforming to IEC 61000-4-18 Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 Voltage/current impulse level 3 conforming to IEC 61000-4-5 Immunity to conducted interference caused by radio-electrical fields level 3 conforming to EN/IEC 61000-4-6
Pollution degree	Level 3
[Ui] rated impulse withstand voltage	6 kV
[Ui] Rated Insulation Voltage	690 V
Environmental class (during operation)	Class 3C3 according to IEC 60721-3-3 Class 3S3 according to IEC 60721-3-3
Ambient air temperature for operation	-13...104 °F (-25...40 °C) (without derating) 104...140 °F (40...60 °C) (with current derating 1 % per °C above 40 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient air transport temperature	-40...158 °F (-40...70 °C)
Operating altitude	<= 6561.68 ft (2000 m) without derating > 2000...4800 m with current derating 1 % per 100 m above 2000 m
Relative humidity	5...95 % without condensation or dripping water EN/IEC 60068-2-3
Maximum deflection under vibratory load (during operation)	1.5 mm at 2...13 Hz
Maximum deflection under vibratory load (during storage)	1.75 mm at 2...9 Hz
Maximum deflection under vibratory load (during transport)	1.75 mm at 2...9 Hz
Maximum acceleration under vibrational stress (during operation)	1 gn at 13...200 Hz
Maximum acceleration under vibratory load (during storage)	1 gn at 9...200 Hz 1.5 gn at 200...500 Hz
Maximum acceleration under vibratory load (during transport)	1 gn at 9...200 Hz 1.5 gn at 200...500 Hz
Maximum acceleration under shock impact (during operation)	15 gn at 11 ms
Maximum acceleration under shock load (during storage)	10 gn at 11 ms
Maximum acceleration under shock load (during transport)	10 gn at 11 ms

Ordering and shipping details

Category	US1CP1G22588
Discount Schedule	CP1G
GTIN	3606486948750
Returnability	Yes
Country of origin	ID

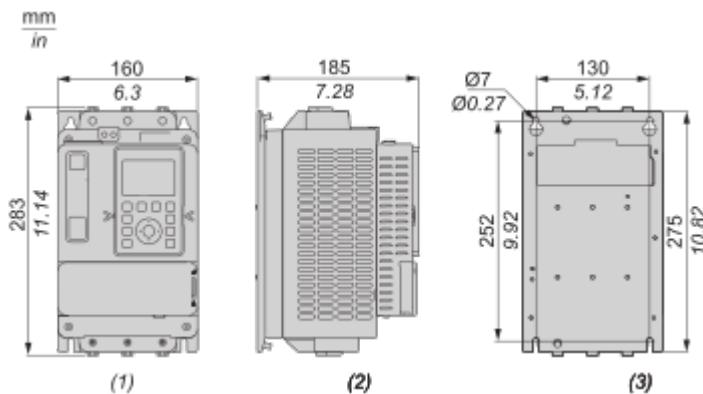
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	9.055 in (23.000 cm)
Package 1 Width	9.055 in (23.000 cm)
Package 1 Length	14.173 in (36.000 cm)
Package weight(Lbs)	11.199 lb(US) (5.080 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	8
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	23.622 in (60.000 cm)
Package 2 Length	31.496 in (80.000 cm)
Package 2 Weight	111.334 lb(US) (50.500 kg)

Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

Dimensions

(1) : Front

(2) : Side

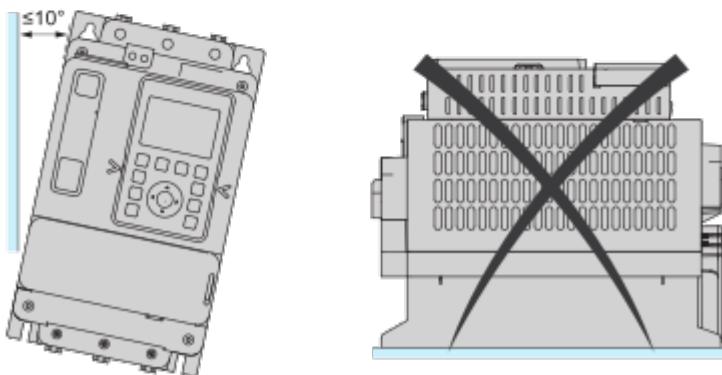
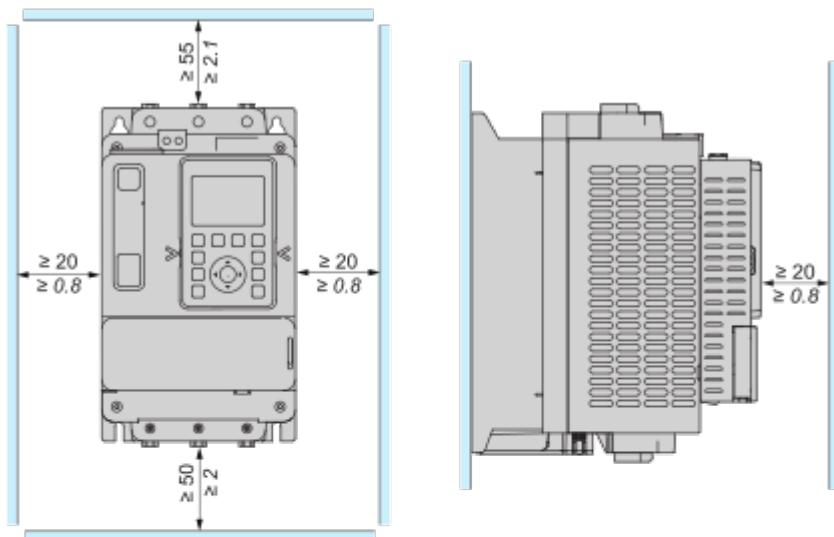
(3) : Rear

Mounting and Clearance

Mounting Position

The soft starter is designed to be mounted inside cabinets vertically at $\pm 10^\circ$ for cooling purposes. Respect the minimum clearances so that the cooling air can circulate from the bottom to the top of the soft starter. The minimum clearances apply to any device close to the soft starter such as circuit breakers, fuses and contactors. Do not install the soft starter above heating elements.

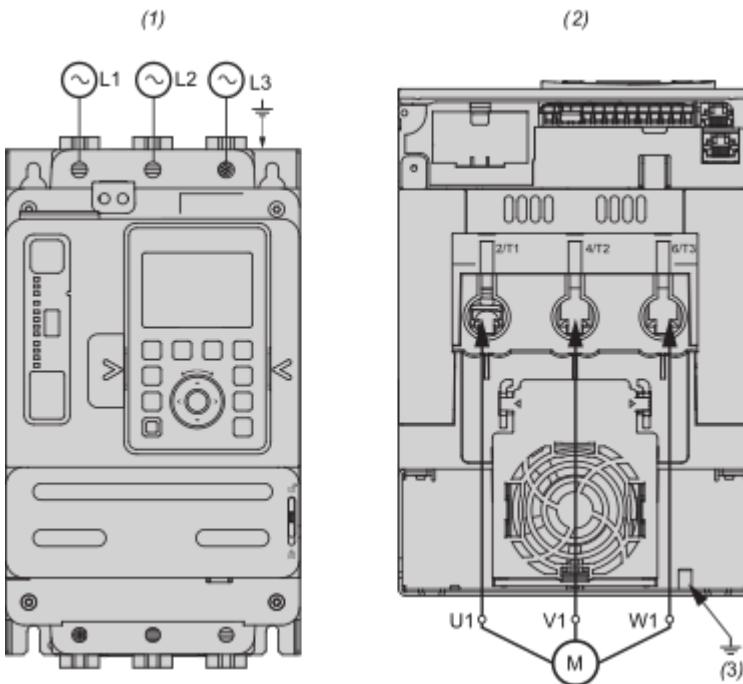
mm
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Connections and Schema

Wiring

Wiring the Power Part



Use class C cables for the power connections.

1/L1, 3/L2, 5/L3 : Mains supply inputs

2/T1, 4/T2, 6/T3 : Outputs to motor

(1) : Mains side

(2) : Motor side (bottom)

(3) : Ground connection

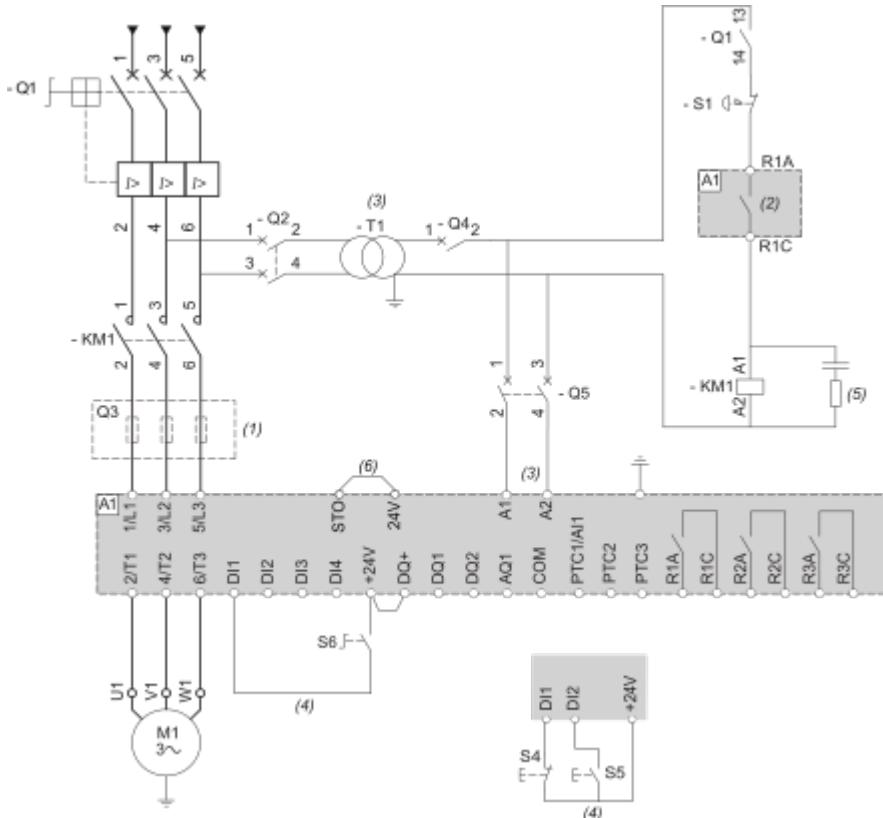
Connection In Line, No Line Contactor, Type 1 or 2 Coordination, 2-wire or 3-wire control

S5	Normally open contact push-button	RUN command for 3-wire control
S6	Selector switch, 2 positions, stay-put, normally open contact	RUN/STOP command for 2-wire control

Connection In Line, With Line Contactor, Type 1 or 2 Coordination, 2-wire control

Line contactor controlled based on RUN & STOP or on detected error.

Use relay output R1 set to [Mains Contactor]



(1) : Installation of additional fast-acting fuses is mandatory to upgrade to type 2 coordination according to IEC 60947-4-2.

(2) : Take into account the electrical characteristics of the relays.

(3) : The transformer must supply 110...230 Vac +10% - 15%, 50/60Hz.

(4) : 2-wire control and 3-wire control.

(5) : Select the appropriate voltage surge suppressor.

(6) : STO Safe Torque Off.

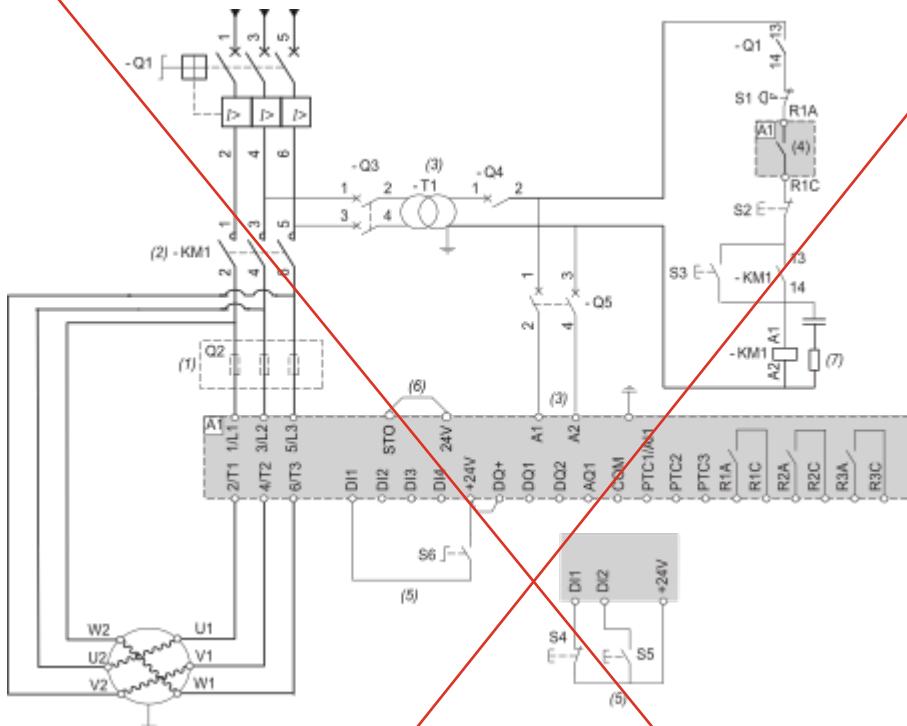
Designation	Component	Description
Q1	Circuit breaker	Short circuit protection device for the motor
Q2	Circuit breaker	Short circuit protection device for the primary of the transformer
Q3	Fast acting fuses	Short circuit protection device of the soft starter to be used only when type 2 coordination according to IEC 60947-4-2 is required
Q4	Circuit breaker	Short circuit protection device for the secondary of the transformer
Q5	Circuit breaker	Short circuit protection device for the control part of the soft starter

KM1	Contactor	Line contactor
S1	Emergency Stop push-button	Emergency Stop to de-energized KM1 line contactor
S4	Normally close contact push-button	STOP command for 3-wire control
S5	Normally open contact push-button	RUN command for 3-wire control
S6	Selector switch, 2 positions, stay-put, normally open contact	RUN/STOP command for 2-wire control

Connection Inside the Delta, Type 1 and 2 Coordination, 2-wire or 3-wire

Line contactor controlled based on RUN and STOP command or detected error

Use relay output R1 set to [Operating State Fault] (factory setting).



(1) : Installation of additional fast-acting fuses is mandatory to upgrade to type 2 coordination according to IEC 60947-4-2.

(2) : KM1 is mandatory to avoid uncontrolled voltage on the motor.

(3) : The transformer must supply 110...230 Vac +10% — 15%, 50/60Hz.

(4) : Take into account the electrical characteristics of the relays, especially when connecting to high rating contactor.

(5) : 3-wire control, 2-wire control.

(6) : STO Safe Torque Off.

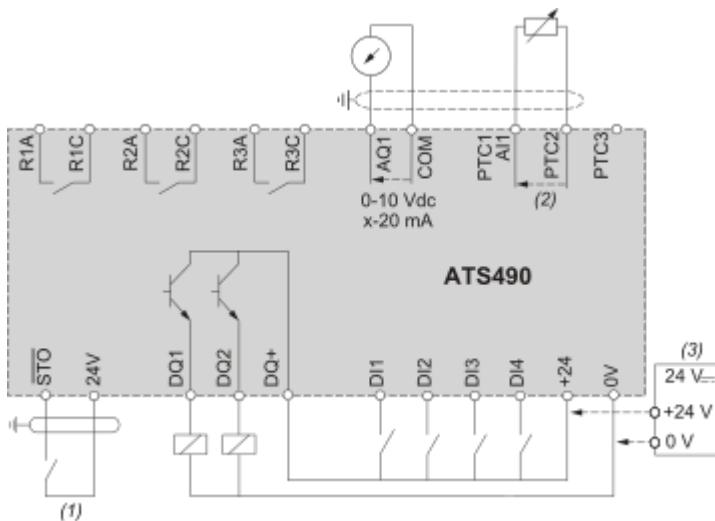
(7) : Select the appropriate voltage surge suppressor.

Designation	Component	Description
Q1	Circuit breaker	Short circuit protection device for the motor
Q2	Fast acting fuses	Short circuit protection device of the soft starter to be used only when type 2 coordination according to IEC 60947-4-2 is required
Q3	Circuit breaker	Short circuit protection device for the primary of the transformer

(7) : Select the appropriate voltage surge suppressor.

Designation	Component	Description
Q1	Circuit breaker	Short circuit protection device for the motor
Q2	Circuit breaker	Short circuit protection device for the primary of the transformer
Q3	Fast acting fuses	Short circuit protection device of the soft starter to be used only when type 2 coordination
Q4	Circuit breaker	Short circuit protection device for the secondary of the transformer
Q5	Circuit breaker	Short circuit protection device for the control part of the soft starter
KM1	Contactor	Line contactor
S1	Emergency Stop push-button	Emergency Stop to de-energized KM1 line contactor
S4	Normally close contact push-button	STOP command for 3-wire control and power Off
S5	Normally open contact push-button	RUN command for 3-wire control and power On
S6	Selector switch, 2 positions, stay-put, normally open contact	RUN/STOP command for 2-wire control

Control Block Wiring Diagram



R1A, R1C, R2A, R2C, R3A, R3C : Programmable NO relays

DI1, DI2, DI3, DI4 : Digital inputs

AQ1 : Analogue output

PTC1/A1, PTC2, PTC3 : Motor thermal sensor connection

DQ1, DQ2, DQ+ : Digital outputs

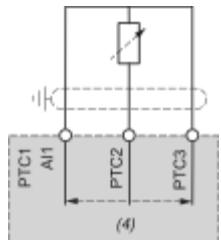
STO : Safety function STO input

(1) : STO Safe Torque Off

(2) : 2 wire PTC/PT100/PT1000/KTY

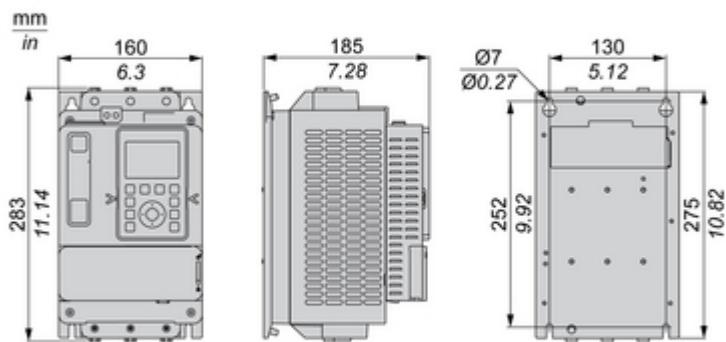
(3) : Optional, in case of +24 External Supply usage

PT100, PT1000 Thermal Probe 3 Wires :



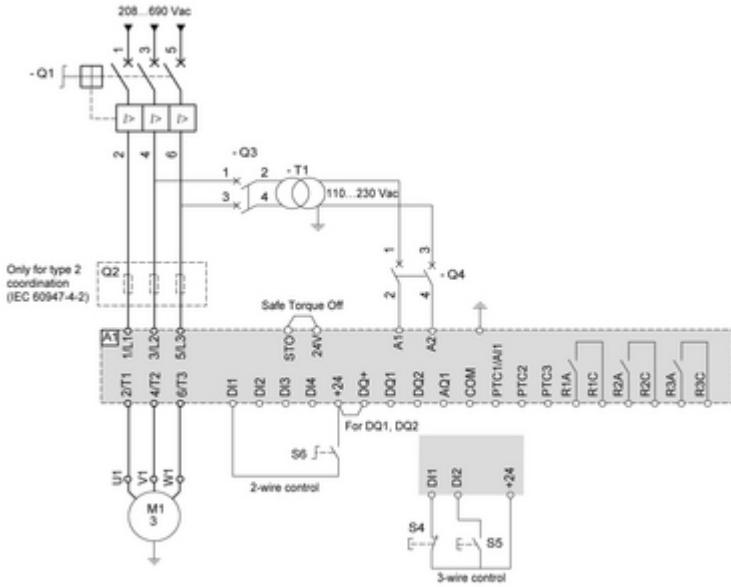
(4) : 3 wire PT100/PT1000

Technical Illustration

Dimensions

Technical Illustration

Wiring diagram



Data Sheet 14

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: Socomec: Modbus Power Meter Model Number: 48290000</p> <p>Tags/Service: PWS0306 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Modbus RTU communication protocols • RS485 communication ports • 50-300VAC max voltage (phase/neutral) • 14-158° F operating temperature • 2 digital inputs • 4 voltage and current measurement inputs • IP20 degree of protection on front side
1	<p>Mfg: Socomec: Digital I/O Power Meter Module Model Number: 48290030</p> <p>Tags/Service: PWS0306 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Digital input/output module for DIRIS B power meter • Provides 2 digital inputs and 2 digital outputs • -4-122° F operating temperature
3	<p>Mfg: Socomec: Split Core TR-10 Sensor, 25-63A Model Number: 48290555</p>

	<p>Tags/Service: PWS0306 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • TR-10 split-core current sensors for DIRIS B power monitoring devices • Attachable current transformer • 25-63A rated current - 0.5-75A actual coverage range • RJ12 connection type • 300VAC max voltage (phase/neutral) • CAT III measurement category • 14-158° F operating temperature
1	<p>Mfg: Socomec: RJ12 Connection Cable, 3 Count Model Number: 48290584</p> <p>Tags/Service: PWS0306 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Red, Black, Yellow cable colors • RJ12 connector • 2m cable length • Connection cable for TR current sensors • Grey color outer sheath • 26AWG size



MODBUS POWER METER

TAGS: PWS0306

DIRIS B-30 RS485-MODBUS-230VAC

48290000

Multifunction meter DIRIS B-30 RS485 MODBUS 230VAC

Strong Points

- ⊕ Plug & Play
- ⊕ Better than revenue grade
- ⊕ Multi-circuits
- ⊕ Versatile

Function

The DIRIS B is a DIN-rail mounted power monitoring device compatible with TE/TR/iTR/TF smart current sensors, suitable for new or existing electrical installations.

The 4 independent RJ12 current inputs allow the DIRIS B to monitor 1 three-phase circuit and use a dedicated current sensor for the neutral, or 4 single-phase loads.

The DIRIS B has 2 native digital input for additional versatility and includes Modbus RTU serial communication



to connect measurement data to external management systems.

Additional digital & analog input/output modules can extend the basic functional scope of the DIRIS B. An optional display can also be plugged to the meter for local visualization on panel doors.

CERTIFICATES AND DECLARATION

Conformity to standard #1	UL 61010-1 Guide PICQ File E257746
Conformity to standard #2	CSA-C22.2 No. 61010-1
Conformity to standard #3	CEC Compliant
Conformity to standard #4	ISO 14025
Proposition 65 California	WARNING This product can expose you to chemicals including bisphenol A (BPA), which is known to the State of California to cause birth defects or reproductive harm. For more information go to : www.P65Warnings.ca.gov

STANDARDS

Conformity to standards	<ul style="list-style-type: none">• IEC• UL
--------------------------------	--

CERTIFICATES AND DECLARATION - SAFETY

Safety standards	IEC/EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1
UL file number	E257746

GENERAL PRODUCT CHARACTERISTICS

Device type	Multifunction Power metering and monitoring device (PMD)
--------------------	--

Application	Analysis
Communication ports	RS485
Communication protocols	Modbus RTU
Model	B-30
Type	Power Monitoring Device

TECHNICAL CHARACTERISTICS - ELECTRICAL

Max voltage (Phase/neutral)	50-300 VAC (Ph/N)
------------------------------------	-------------------

TECHNICAL CHARACTERISTICS - ENVIRONMENTAL

Maximum operating altitude	6560 feet / 2000 m
Operating temperature	+14 ... +158 °F / -10 ... +70 °C
PEP ecopassport - ISO 14025	SOCO-2014-01-v1-fr, SOCO-2014-01-v1-en
Relative humidity	131 °F / 55 °C / 97% relative humidity
Storage temperature	-13 ... +185 °F / -25 ... +85 °C

TECHNICAL CHARACTERISTICS - MEASUREMENT

Accuracy class	Class 0.2 DIRIS B alone, Class 0.5 with TE, iTR or TF current sensors, Class 1 with TR current sensors
Current measurement type	AC
Frequency rating	45 ... 65 Hz

etering: +/- kWh, +/- kvarh, kVAh, Multi-tariff (8 max) L_{gadachyes}

Multi-measurement: V1, V2, V3, U12, U23, U31, f,I1, I2, I3, ln, ΣP ,

ΣQ , ΣS , ΣPF , P, Q, S, PF per phase, Predictive Power, Voltage Ph/N

unbalance, Voltage Ph/Ph unbalance, Current unbalance (Inba, Idi)

r, linv, lhom, lnb),Phi, cos Phi, tan Phi

Number of Digital inputs/outputs	2 Digital inputs
Power Quality measurements	THDv1, THDv2, THDv3, THDu12, THDu23, THDu31 ,THDi1,THDi2, THDi3, THDin ,Individual harmonics U & V (up to 63rd),Individual harmonics I (up to 63rd),Crest factor I1, I2, I3, In,Crest factor V1, V2, V3, U12, U23, U31 ,Voltage sags,interruptions,swells (EN 501 60) ,Overcurrents
Voltage measurement type	AC

Voltage measurement type

Sampling frequency [Hz]	10000
Number of voltage measurement inputs	4
Number of current measurement inputs	4
Voltage type (supply voltage)	AC
Supply voltage AC 50 Hz [V]	110..230
Supply voltage AC 60 Hz [V]	110..230
Measuring range for frequency [Hz]	45..65
Number of digital inputs	2
Supporting protocol for IEC 61850 Ethernet	No
Supporting protocol for OPC UA PubSub	No
Supporting protocol for PROFIBUS	No
Supporting protocol for Modbus	Yes
Supporting protocol for PROFINET IO	No
Supporting protocol for other bus systems	No

With firmware signature	Yes
-------------------------	-----

With logging of security events (security event log)	No
--	----

With Role Based Access Control (RBAC)	No
---------------------------------------	----

Web server with HTTPS transfer protocol	No
---	----

ETIM - MECHANICAL CHARACTERISTICS

Width [mm]	54
------------	----

Height [mm]	90
-------------	----

Depth [mm]	65
------------	----

Degree of protection (IP), front side	IP20
---------------------------------------	------

ETIM - TECHNICAL FEATURES

Ampere meter	Yes
--------------	-----

Blind power meter	Yes
-------------------	-----

With rotational speed meter	No
-----------------------------	----

Frequency meter	Yes
-----------------	-----

Pulse counter	No
---------------	----

Voltmeter	Yes
-----------	-----

Effective power measurement device	Yes
------------------------------------	-----

Display	Optional
---------	----------

Remote display	Yes
----------------	-----

LOGISTICS

GTIN/EAN	3596032773083
----------	---------------

Customs number	9030320000
----------------	------------

Weight of the packing unit [kg] 0.22

Length of the packing unit [m] 0.135

Width of the packing unit [m] 0.06

Depth of the packing unit [m] 0.08

PRODUCT DETAILS

Effective date 2013-11-12

Offer Life Cycle Code 40

Country of origin FR

CLASSIFICATION

UNSPSC 83101808

IGCC 6042



DIGITAL I/O POWER METER MODULE

TAGS: PWS0306

DIRIS O-iod DIGITAL MODULE

48290030

Optional module DIRIS O-iod 2 digital inputs /2 digital outputs

Strong Points

- ⊕ Flexible
- ⊕ Plug & Play

Function

DIRIS O optional modules are plugged on the left side of DIRIS B power monitoring devices and offer additional functions such as digital or analogue inputs/outputs, temperature inputs or communication modules.

Up to 4 optional modules can be connected on the same DIRIS B power meter.

Conformity to standard #1	UL 61010-1 Guide PICQ File E257746
Conformity to standard #2	CSA-C22.2 No. 61010-1
Conformity to standard #3	CEC Compliant
Conformity to standard #4	ISO 14025
Proposition 65 California	<p>WARNING This product can expose you to chemicals including bisphenol A (BPA), which is known to the State of California to cause birth defects or reproductive harm. For more information go to : www.P65Warnings.ca.gov</p>

STANDARDS

Conformity to standards	<ul style="list-style-type: none"> • IEC • UL
--------------------------------	---

CERTIFICATES AND DECLARATION - SAFETY

Safety standards	IEC/EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1
UL file number	E257746

GENERAL PRODUCT CHARACTERISTICS

Device type	2 digital inputs/2 digital outputs
--------------------	------------------------------------

TECHNICAL CHARACTERISTICS

In/out	2 digital inputs / 2 digital outputs
Model	O-oid
Type	Optional digital input/output module for DIRIS B

Operating temperature	-4 ... +122°F / -20 ... +50°C
Storage temperature	-40 ... +158°F / -40 ... +70°C

TECHNICAL CHARACTERISTICS - MEASUREMENT

Current measurement type	AC
Number of Digital inputs/outputs	2 digital inputs/2 digital outputs

ETIM - TECHNICAL FEATURES

Type of accessory/spare part	Other
Accessory	Yes
Spare part	No

LOGISTICS

GTIN/EAN	3596032773106
Customs number	9030900000
Price unit	PC
Weight of the packing unit [kg]	0.18
Length of the packing unit [m]	0.076
Width of the packing unit [m]	0.059
Depth of the packing unit [m]	0.135

PRODUCT DETAILS

Effective date	2013-11-12
Offer Life Cycle Code	40



SPLIT CORE TR-10 SENSOR, 25A-63A

TAGS: PWS0306

SPLIT CORE CT TR-10 25-63A

48290555

Strong Points

- ⊕ Smart sensors
- ⊕ Accurate

Function

The split-core current sensors in the TR ranges enable the current on an electrical installation to be measured. Used with a PMD from the DIRIS Digiware, DIRIS A-40, DIRIS B-10 or B-30 range, they make it possible to perform accurate measurements between 25 and 600 A, and provide access to an overall accuracy class. The RJ12 connection system makes it easier to connect it all up, and the integrated intelligence prevents any configuration errors.

UNSPSC	83101808
ETIM Class	EC002048
IGCC	6042
COMMERCE	
Description	Split-core AC current sensors TR-10 class 1 used with DIRIS Digi ware, DIRIS A-40, DIRIS B device, they make it possible to perform measurements with guaranteed accuracy
Effective date	2018-06-01
Offer Life Cycle Code	40
Country of origin	FR

ETIM - ELECTRICAL CHARACTERISTICS

Rated primary current [A]	63
Rated secondary current [A]	0.1
Rated secondary apparent power [VA]	0.1
Accuracy class	0.5
Overcurrent limiting factor	FS 10
Calibrated	Yes

ETIM - MECHANICAL CHARACTERISTICS

With contact protection	Yes
Height opening [mm]	10..10
Width opening [mm]	10..10
Opening diameter [mm]	10
Snap mounting	Yes

Yes

Secondary connection

Plug-in connection

ETIM - TECHNICAL FEATURES

Model

Attachable current transformer

Number of primary inputs

1

LOGISTICS

GTIN/EAN

3596033018336

Customs number

8504312990

Price unit

PC

Weight of the packing unit [kg]

0.062

Length of the packing unit [m]

0.04

Width of the packing unit [m]

0.045

Depth of the packing unit [m]

0.025

NORMS

Conformity to standards

- IEC
-

- UL
-

TECHNICAL CHARACTERISTICS

Model

TR

Opening

10

Rated current [A]

63

Secondary rated current

RJ12

Function

Current measurement

Type of product	Split core
Internal diameter	10x10
Secondary Output	Voltage
Accuracy class	1
Type of connection	RJ12
Conformity to standards	<ul style="list-style-type: none">• IEC 61557-12• UL 61010
Customisable	No



RJ12 CONNECTION CABLE, 3 COUNT

TAGS: PWS0306

CABLE RJ12 3x2M

48290584

RJ12 connection cable 2m x3

STANDARDS

Conformity to standards

- IEC
 - UL
-

TECHNICAL CHARACTERISTICS

Height [mm]	2000
Color	Red, Black, Yellow
Connector	RJ12
Length	2 m
Type	Connection cable for TE, TR/iTR, TF current sensors

Length [m]	2
Colour outer sheath	Grey
Anti-kink sleeve	None
Cable construction	Other
AWG-size	26
Cable type	U/UTP

ETIM - TECHNICAL FEATURES

Category	5
Type of connector connection 1	RJ12 6(6)
Type of connector connection 2	RJ12 6(6)
Locking lever	No
Fire retardant version	No
Oil resistant according to EN IEC 60811-404	Yes
Pin assignment	1:1
NVP value [%]	70

LOGISTICS

GTIN/EAN	3596032776633
Customs number	8544429090
Price unit	PC
Weight of the packing unit [kg]	0.16
Length of the packing unit [m]	0.06
Width of the packing unit [m]	0.06

PRODUCT DETAILS

Effective date 2013-11-22

Offer Life Cycle Code 40

Country of origin TH

CLASSIFICATION

UNSPSC 83101808

IGCC 6042

Data Sheet 15

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
2	<p>Mfg: Square D: Timing Relay, 0-60 Sec, 120VAC, 8 Pin Octal, DPDT Model Number: 9050JCK13V20</p> <p>Tags/Service: TR0316, TR0405 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 120VAC rated supply voltage • On-delay timer, 0.6-60 second range • 2VA power consumption • 10 current rating • DPDT, 2 NO + 2 NC contact composition • Silver nickel contact material • Socket mounting type
2	<p>Mfg: Square D: Relay Socket, 120VAC, 8 Pin Octal, DIN Model Number: 8501NR51</p> <p>Tags/Service: TR0316, TR0405 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 15A 300VAC rated current • DIN rail mounting type • Single tiered screw clamp terminal connection

Product data sheet

Specifications

TIMING RELAY, 0-60 SECONDS, 120VAC,
11 PIN, DPDT

TAGS: TR0316, TR0405

SQUARE D



9050JCK13V20

Product availability: Stock - Normally stocked in distribution facility

Main

product range	9050JCK
product type	Timer
timing mode	On-delay
timing range	0.6...60 s
supply voltage	120 V AC 110 V DC

Complementary

power consumption	2 VA
current rating	10 A
switch function	DPDT
contact composition	2 NO + 2 NC
contact material	Silver nickel
maximum switching voltage	240 V AC
mounting type	Socket
number of pins	8
shape of pins	Tubular
for use with	8501NR52 8501NR51

Environment

certifications	CE UL Listed UL Recognized
ambient temperature range - operational	-18...150 °F (-28...66 °C)
Height	2.4 in (61 mm)
Width	1.7 in (43 mm)
Depth	4.09 in (104 mm)

Ordering and shipping details

Category	US10CP221651
Discount Schedule	0CP2
GTIN	785901032564

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

Returnability	Yes
Country of origin	US

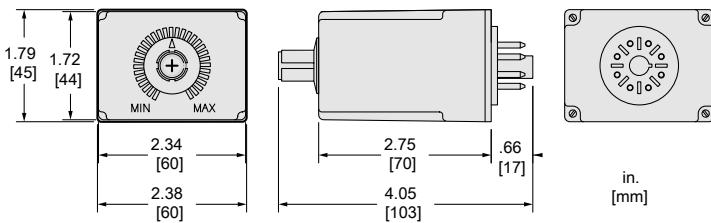
Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.900 in (4.826 cm)
Package 1 Width	2.50 in (6.35 cm)
Package 1 Length	4.300 in (10.922 cm)
Package weight(Lbs)	3.840 oz (108.862 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	20
Package 2 Height	4.50 in (11.43 cm)
Package 2 Width	10.0 in (25.4 cm)
Package 2 Length	11.00 in (27.94 cm)
Package 2 Weight	5.501 lb(US) (2.495 kg)

Contractual warranty

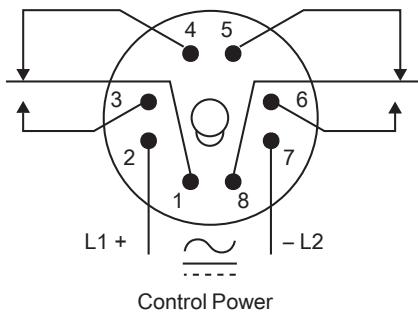
Warranty (in months)	18
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Technical Illustration

Dimensions

All dimensions are approximate. Also see technical documentation.

Technical Illustration

Wiring diagram

JCK11 – JCK19

JCK31 – JCK39

JCK51 – JCK59

JCK60

Image of product / Alternate images

Alternative





Product data sheet

RELAY SOCKET, 120VAC, 8 PIN OCTAL, DIN

Specifications

TAGS: TR0316, TR0405

SQUARE D



Plug in relay, Type N, relay socket,
8 tubular pin, single tier, for
8501KP relays and 9050JCK
timers

8501NR51

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	DIN rail Panel
electrical connection	Single tiered screw clamp terminals
package quantity	1
Width	1.6 in (40 mm)
Height	2.1 in (54 mm)
Depth	1.0 in (24.6 mm)

Ordering and shipping details

Category	US10CP221142
Discount Schedule	0CP2
GTIN	785901583592
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.000 in (2.540 cm)
Package 1 Width	1.700 in (4.318 cm)
Package 1 Length	2.200 in (5.588 cm)
Package weight(Lbs)	1.600 oz (45.359 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	600
Package 2 Height	14.200 in (36.068 cm)
Package 2 Width	11.200 in (28.448 cm)
Package 2 Length	17.800 in (45.212 cm)
Package 2 Weight	64.0002 lb(US) (29.030 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

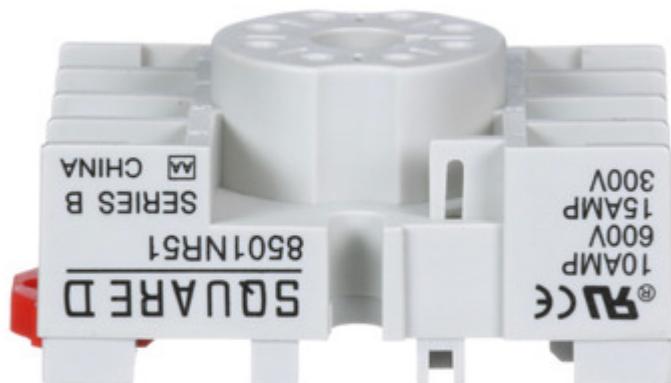
Contractual warranty

Warranty (in months)

18

Image of product / Alternate images

Alternative







Data Sheet 16

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
2	<p>Mfg: Square D: Timing Relay, 0-60 Sec, 120VAC, 11 Pin Octal, DPDT Model Number: 9050JCK23V20</p> <p>Tags/Service: TR0407, TR0409 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 120VAC rated supply voltage • Off-delay timer, 0.6-60 second range • 2VA power consumption • 10 current rating • DPDT, 2 NO + 2 NC contact composition • Silver nickel contact material • Socket mounting type
2	<p>Mfg: Square D: Relay Socket, 120VAC, 11 Pin Octal, DIN Model Number: 8501NR61</p> <p>Tags/Service: TR0407, TR0409 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 15A 300VAC rated current • DIN rail mounting type • Single tiered screw clamp terminal connection

Product data sheet

Specifications

TIMING RELAY, 0-60 SECOND,
120VAC, 11 PIN, DP

SQUARE D



TAGS: TR0407, TR0409

Timing Relay, Type JCK, plug In, off delay, adjustable time, 0.6 to 60 seconds, 10A, 240 VAC, 120 VAC/ 110 VDC

9050JCK23V20

Product availability: Stock - Normally stocked in distribution facility

Main

product range	9050JCK
product type	Timer
timing mode	Off-delay
timing range	0.6...60 s
supply voltage	120 V AC 110 V DC

Complementary

power consumption	2 VA
current rating	10 A
switch function	DPDT
contact composition	2 NO + 2 NC
contact material	Silver nickel
maximum switching voltage	240 V AC
mounting type	Socket
number of pins	11
shape of pins	Tubular
for use with	8501NR61 8501NR62

Environment

certifications	CE UL Recognized UL Listed
ambient temperature range - operational	-18...150 °F (-28...66 °C)
Height	2.4 in (61 mm)
Width	1.7 in (43 mm)
Depth	4.09 in (104 mm)

Ordering and shipping details

Category	US10CP221651
Discount Schedule	0CP2
GTIN	785901032632

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

Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.600 in (6.604 cm)
Package 1 Width	2.00 in (5.08 cm)
Package 1 Length	4.400 in (11.176 cm)
Package weight(Lbs)	4.160 oz (117.934 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	20
Package 2 Height	4.50 in (11.43 cm)
Package 2 Width	10.0 in (25.4 cm)
Package 2 Length	11.00 in (27.94 cm)
Package 2 Weight	5.501 lb(US) (2.495 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----

Product data sheet

RELAY SOCKET, 120VAC, 11 PIN, DIN

Specifications

TAGS: TR0407, TR0409

SQUARE D



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

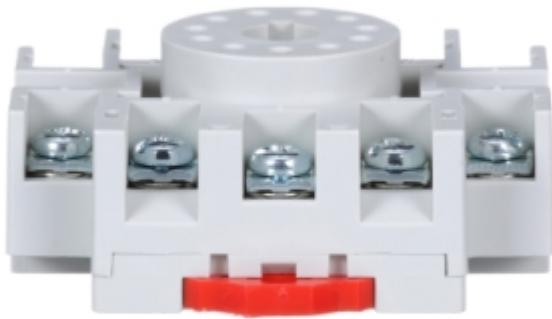
Contractual warranty

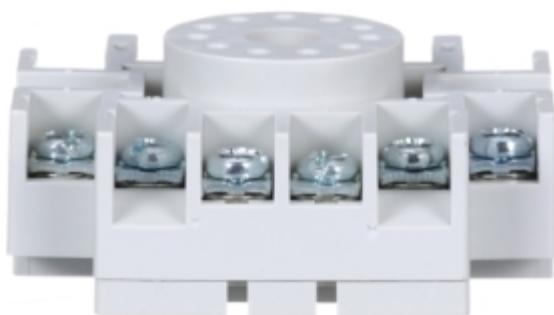
Warranty (in months)

18

Image of product / Alternate images

Alternative





Data Sheet 17

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
1	<p>Mfg: SCE: Enclosure Heater Model Number: SCE-TSH50</p> <p>Tags/Service: HTR0319 / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • DIN rail clip mounting • Designed for protection from low temperatures, condensation and corrosion • Touch safe heater • 120VAC rated operational voltage • 2 screw terminal connection style
1	<p>Mfg: Finder: Enclosure Heater Thermostat, NC Model Number: 7T.81.0.000.2403</p> <p>Tags/Service: Thermostat / SPMP-01/02 RVSS Control Panels</p> <p>Specifications:</p> <ul style="list-style-type: none"> • 7T - 7T series thermostat • 8 - Temperature control thermostat • 1 - 1 contact • 0 - No operating voltage required • 000 - No operating voltage required • 2 - Temperature control • 4 - 1 NC contact

- | | |
|--|---|
| | <ul style="list-style-type: none">• 03 - 0-60° C temperature control range• IP20 protection category• Silver nickel standard contact material |
|--|---|



ENCLOSURE HEATER

TAGS: HTR0319

SCE-TSH50

Product Specifications:

Part Number: SCE-TSH50
Description: Heater - 50W
Height: 4.92"
Width: 1.61"
Depth: 1.61"
Price Code: P1
List Price: \$142.60
Catalog Page: 402
Est. Ship Weight: 0.35 lbs
Max. Current: 3.5
Model Number: 501050

Application

PTC (Positive Temperature Coefficient)
Din rail clip design for 35mm Din Rail. Designed for protection from low temperatures, condensation and corrosion. Touch Safe with 2 screw terminal for standard AWG 14 wire. 110-240V AC.

For low temperatures management use with thermostat

For condensate management no thermostat is necessary - continuous heat is most effective see installaton Instruction for sizing.

Industry Standards - (IS24)

✿ UL Component Recognized

Notes

UL File #E358386

Optional Accessories

~~SCE-TEMD Thermostat (Dual)~~
~~SCE-TEMNC Thermostat (Normally Closed)~~

Similar Part Numbers

~~SCE-TSH100Heater - 100W~~
~~SCE-TSH150Heater - 150W~~
~~SCE-TSH25Heater - 25W~~
~~SCE-TSH75Heater - 75W~~

Installation Information

✿ Touch Safe Heaters

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

ENCLOSURE HEATER THERMOSTAT, NC

TAGS: THERMOSTAT

Panel Thermo-Hygrostat and Thermostats

7T
SERIES



Drying kilns



Industrial
refrigeration



Road / tunnel
lighting



Industrial
furnaces
and ovens



Automatic
car-washes



Panels for
electrical
distribution



Control panels



Forced-air
ventilators



Panel Thermo-Hygrostat

- Small, compact size (17.5 mm wide)
- Electronic control
- 4 functions
- Nominal voltage 110...240 V AC/DC
- Temperature ranges from +10° to +60°C
- Humidity range up to 90%
- LED status indication contact ON
- 35 mm rail (EN 60715) mount

Panel thermostat

- Small, compact size (17.5 mm wide)
- Snap action thermostatic Bimetal sensor
- Wide temperature setting range
- Long electrical life
- 35 mm rail (EN 60715) mount

7T.51/7T.81
Box clamp



* Measured with 0.3 K/min

** Measured with 0.5 %/min

For outline drawing see page 6

Contact specification

Contact configuration	1 NO (SPST-NO)	1 NC (SPST-NC)	1 NO (SPST-NO)
Rated current/Maximum peak current A	10/15	10/20	10/20
Rated voltage/V			
Maximum switching voltage V AC	250/400	250/250	250/250
Rated load AC1 VA	2500	2500	2500
Rated load AC15 (230 V AC) VA	500	250	250
Single phase motor rating AC3 (230 V AC) kW	—	1.1	1.1
Breaking capacity DC1: 24/110/220 V A	10/0.3/0.12	1/0.3/0.15	1/0.3/0.15
Minimum switching load mW (V/mA)	500 (12/10)	500 (12/10)	500 (12/10)
Standard contact material	AgNi	AgNi	AgNi

Coil specifications

Nominal Voltage V AC/DC	110...240	—	—
Rated Power VA (50Hz)/W	1.8/0.44	—	—
Operating range V AC/DC	88...264	—	—

Temperature specifications *

Setting range (ventilation) °C	+10...+60	-20...+40	-20...+60	0...+60	-20...+40	-20...+60	0...+60
Switch differential K	4 ± 2	7 ± 4	—	—	7 ± 4	—	—
Setting accuracy full range K	-1...+3	—	—	—	—	—	—

Humidity specifications **

Setting range (humidity) %	50...90	—	—
Hysteresis %	4 ± 2	—	—
Setting accuracy %	5	—	—

Technical data

Electrical life at rated load AC1 cycles	100 · 10 ³	100 · 10 ³	100 · 10 ³
Ambient temperature range °C	-25...+60	-45...+80	-45...+80
Protection category	IP 20	IP 20	IP 20

Approvals (according to type)

NEW 7T.51



7T.81.0.000.240x



7T.81.0.000.230x



Ordering information

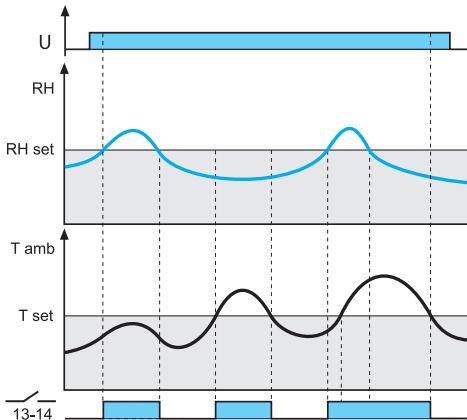
Example: 7T Series, Thermo-Hygrostat for temperature and humidity control, 110...240 V AC/DC, Multifunction, 35 mm rail (EN 60715) mount.

7 T . 5 1 . 0 . 2 3 0 . 4 3 6 0	
Series	7T
Type	8
5 = Thermo-Hygrostatic control	1
8 = Temperature control	0
No. of contacts	000
1 = 1 contact	2
Voltage type	4
0 = AC/DC (only 7T.51)	3
0 = No operating voltage required (only 7T.81)	03
Rated operating voltage	60
230 = 110...240 V (only 7T.51)	Multifunction (only 7T.51)
000 = No operating voltage required	01 = -20...+40 °C (only 7T.81)
	02 = -20...+60 °C (only 7T.81)
	Control function
	03 = 0...+60 °C (only 7T.81)
	Contact configuration
	3 = 1 NO contact
	4 = 1 NC contact
	Monitoring function
	2 = Temperature control
	4 = Temperature and Humidity, adjustable

Technical data

Insulation		7T.51	7T.81
Dielectric strength between open contacts	V AC	1000	500
Dielectric strength between supply and contact	V AC	2000	—
Other data		7T.51	7T.81
Vibration resistance	g	—	16
Shock resistance	g	—	20
		7T.51/7T.81	
Screw torque	Nm	0.5	0.5
Max. wire size		solid cable	
	mm ²	1 x 4 / 2 x 2.5	1 x 4 / 2 x 2.5
	AWG	1 x 12 / 2 x 14	1 x 12 / 2 x 14
Wire strip length	mm	9	9

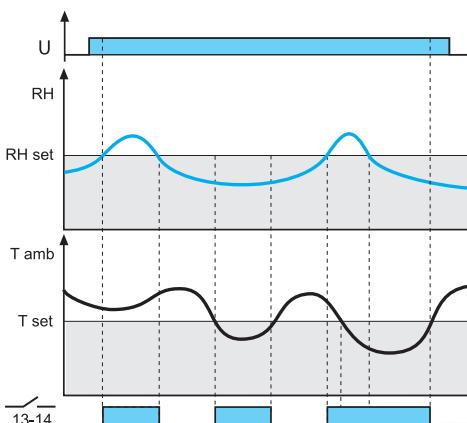
Functions 7T.51



HT: RH > RHset or Tamb > Tset

Power is permanently applied to the thermo-hygrostat.
The contact 13-14 closes if the ambient humidity (RH) is > of set humidity (RHset) or if the ambient temperature (Tamb) is > of set temperature (Tset).

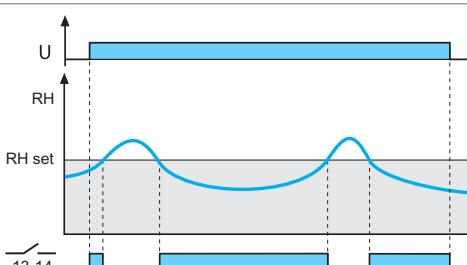
When contact is close, LED is ON



TH: RH > RHset or Tamb < Tset

The contact 13-14 closes if the ambient humidity (RH) is > of set humidity (RHset) or if the ambient temperature (Tamb) is < of set temperature (Tset).

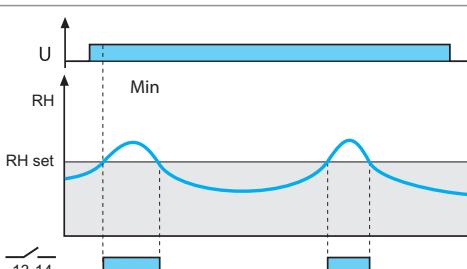
When contact is close, LED is ON



HL: RH < RHset

The contact 13-14 closes if the ambient humidity (RH) is < of set humidity (RHset)

When contact is close, LED is ON

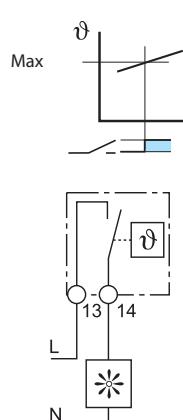
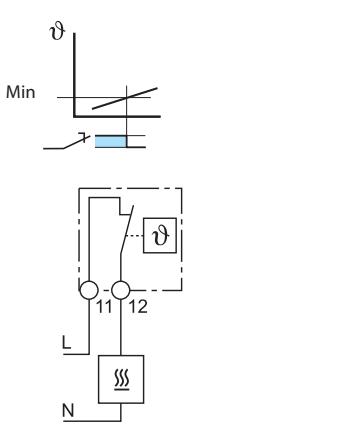


HM: RH > RHset

The contact 13-14 closes if the ambient humidity (RH) is > of set humidity (RHset)

When contact is close, LED is ON

Functions 7T.81



Heating control - Should the panel temperature fall below the (minimum) set temperature the contact will close to call for heat.

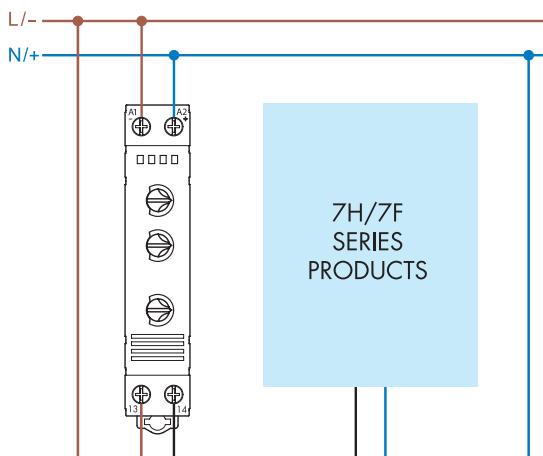
The contact will open when this set temperature is exceeded.

Ventilation control - Should the panel temperature exceed the (maximum) set temperature then the contact will close to call for cooling.

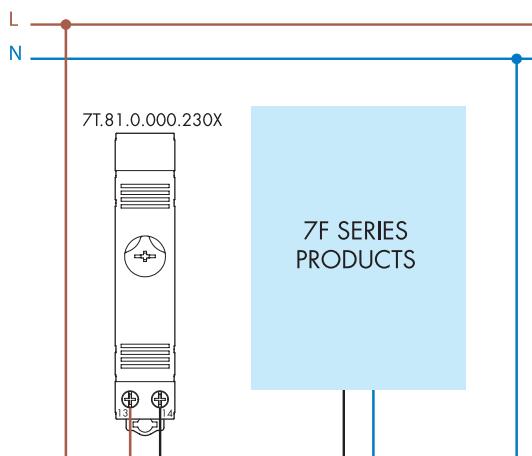
The contact will open when the temperature falls below this set temperature.

Wiring diagrams

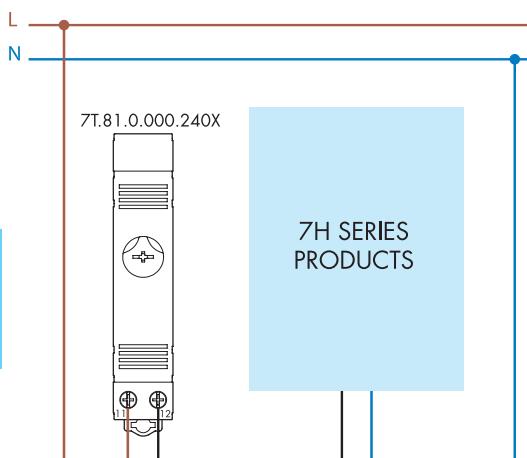
Type 7T.51



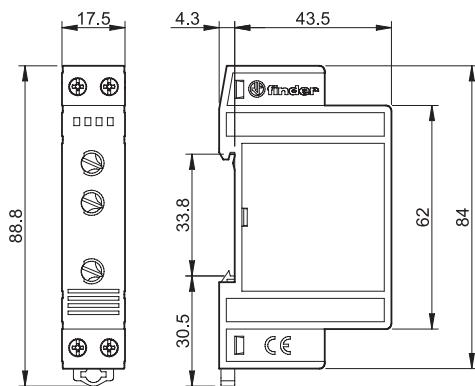
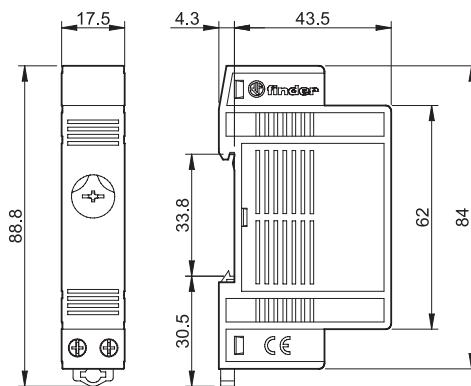
Type 7T.81...230x



Type 7T.81...240x



Outline drawings

Type 7T.51
Box clampType 7T.81
Box clamp

Data Sheet 18

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/22/2026
Qty	Description
A/R	Mfg: Phoenix Contact: Terminal Block Model Number: UT 2,5
A/R	Mfg: Phoenix Contact: Grounding Terminal Block Model Number: UT 2,5-PE
A/R	Mfg: Phoenix Contact: Terminal End Barrier Model Number: D-UT 2,5-10
A/R	Mfg: Phoenix Contact: Terminal Anchor Model Number: E/NS 35 N Tags / Service: TB-AC / SPMP-01/02 RVSS Control Panels 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



<http://www.download.phoenixcontact.com>
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

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

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(+717) 944-1300
info@phoenixcon.com

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Heating and Cooling Sizes:

Device	HEAT DISSIPATED (BTU/hr)
RVSS	65
Transformer	73
Total	138

Product selection result

Project

- Title: Charles County Pomonkey RVSS Panel
- Create date: Jan 15, 2026
- Amend date: Jan 15, 2026

User

- Company:
- Name:
- Address:
- City:

Enclosure		Wall		Location	
Type	Wall Mount Enclosure	Material	Stainless Steel	for Wash-down environments / NEMA 4/4X	
Height	36 inch	k	3.7 W/m²K	Single housing for wall mount	
Width	31 inch	Insulation	R0 = 0 inch	Wind speed	No Wind
Depth	12 inch	Enclosure Color	Gray	Surface according to VDE 0660 part 600	20ft²

Temperature		Rated connection value	
Min. ambient temperature	0 °F	Rated voltage: 115 V	
Max. ambient temperature	100 °F	Frequency	60 Hz
Min. admissible temperature	14 °F		
Max. admissible temperature	131 °F		

Dissipation based on manual input 138 BTU/h

Switch cabinet acclimatisation

Total dissipation in enclosure	40 W
Dissipation due to solar radiation	0 BTU/h
Heat Dissipation from environment	0 BTU/h
Heat Dissipation to environment	397 BTU/h
Required cooling capacity	0 BTU/h
Required heating capacity	176 BTU/h

Product selection result

Warning

Ensure there is sufficient clearance for air flow around the cooling unit to prevent a so-called air short-circuit. There should be a minimum distance of approximately 200 mm (7.9 inches) to the next component in the housing and 400 mm (15.7 inches) outside the housing

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Drawings Index:

Drawing Number	Drawing Description
D32384-01	SPMP-01/02 RVSS PANEL EXTERIOR LAYOUT
D32384-02	SPMP-01/02 RVSS PANEL INTERNAL LAYOUT
D32384-03	SPMP-01/02 RVSS PANEL 480/120VAC WIRING DIAGRAM
D32384-04	SPMP-01/02 RVSS PANEL 120VAC WIRING DIAGRAM

**32384 CHARLES COUNTY POMONKEY PUMP STATION
IMPROVEMENTS**

Drawings:

WARNING NAMEPLATE DETAIL

S-L CONTROLS, DWG D32384-01
VOLTAGE: 480VAC, 60HZ, THREE PHASE
AMPS: 17

MAXIMUM PUMP HORSEPOWER: 10

SHORT CIRCUIT CURRENT: 5kA SYMMETRICAL, 480V MAXIMUM

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	2	SPMP-(01,02) / RVSS PANEL
2	2	HAND / OFF / AUTO
3	2	PUMP / RUNNING
4	2	PUMP / STOPPED
5	2	PUMP / FAULT
6	2	HIGH / TEMP
7	2	FAULT / RESET
8	2	SEAL / LEAK
9	2	ELAPSED TIME METER
10	2	FU0315, FU0315A: MERSEN ATQR8/10 0.8A FU0315B: MERSEN ATM2 2A
11	2	FU0404: MERSEN MI5HF25V0.1/100 0.1A
12	2	FU0304,FU0304A,FU0305,FU0305A: MERSEN ATM1/2 0.5A

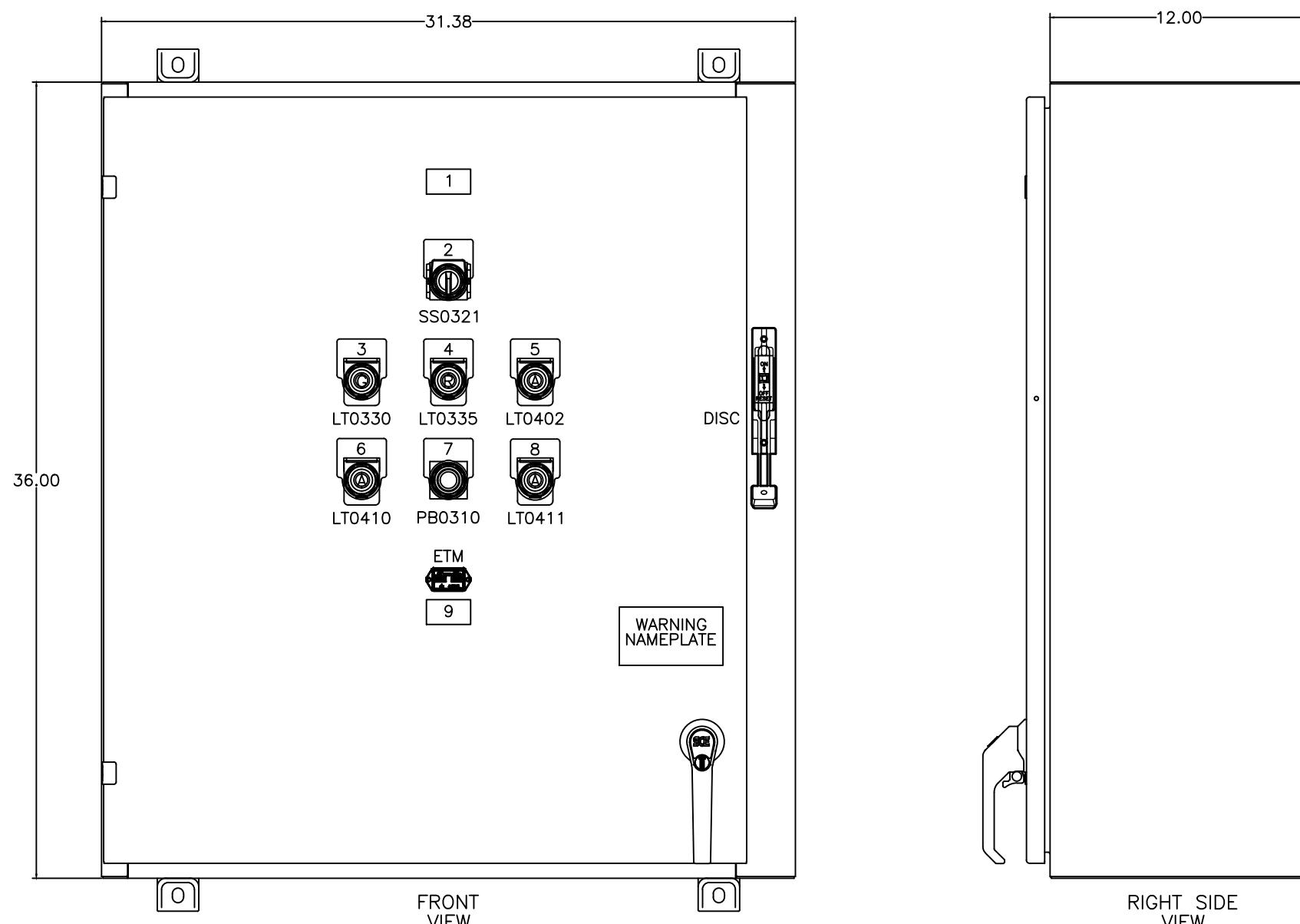
NOTES:

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

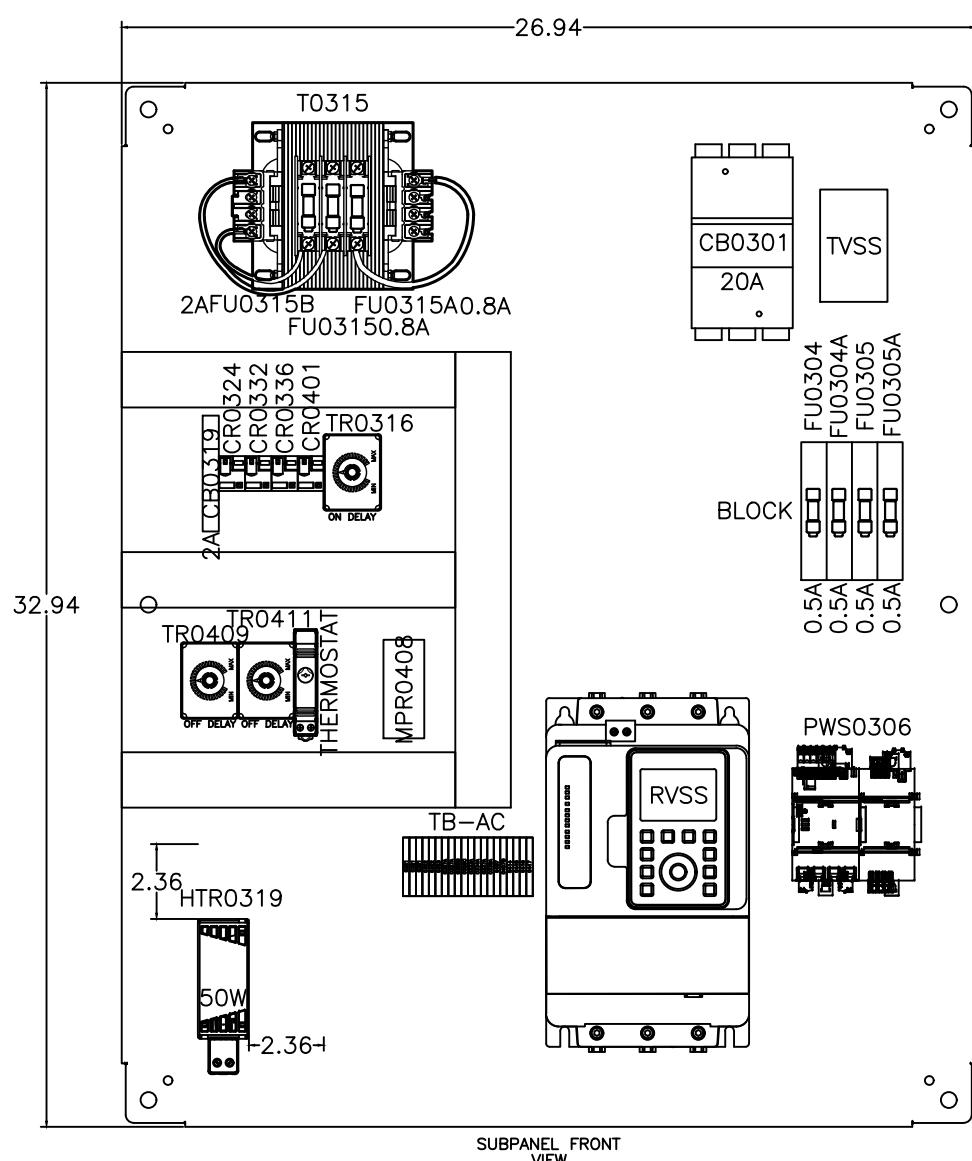
DRAWING IS TYP. FOR SPMP-01 AND SPMP-02 RVSS PANELS



PANEL WIRING

AREA	VOLTAGE	NOUN NAME	ID	GAGE	COLOR	TYPE
POWER	480VAC 3PH	A PHASE	(L1), (1L1), (H1)	12	BROWN	MTW
POWER	480VAC 3PH	B PHASE	(L2), (1L2), (H2)	12	ORANGE	MTW
POWER	480VAC 3PH	C PHASE	(L3), (1L3)	12	YELLOW	MTW
INTERNAL	120VAC	HOT	(1), (1A), (X1)	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 PUMP STATION IMPROVEMENTS		
	NO.	DATE	BY	SPMP-01/02 RVSS PANEL EXTERNAL LAYOUT		
DECIMAL	1					
	2					
FRACTIONAL	3			DRAWN BY ZBB	SCALE NONE	MATERIAL
	4			CHK'D MN	DATE 01-22-2026	DRAWING NUMBER
ANGULAR	5			TRACED	APP'D	D32384-01
	6					

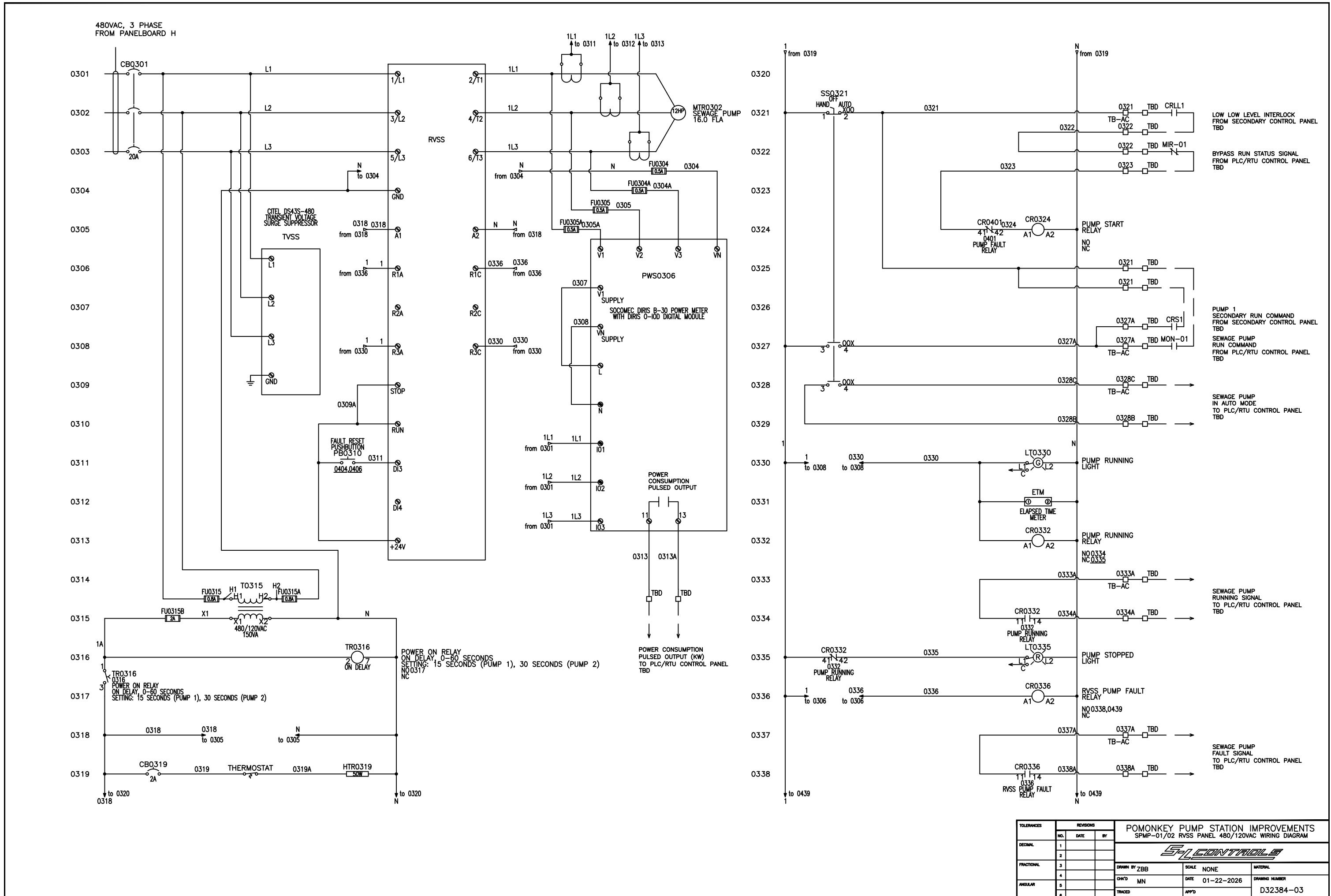


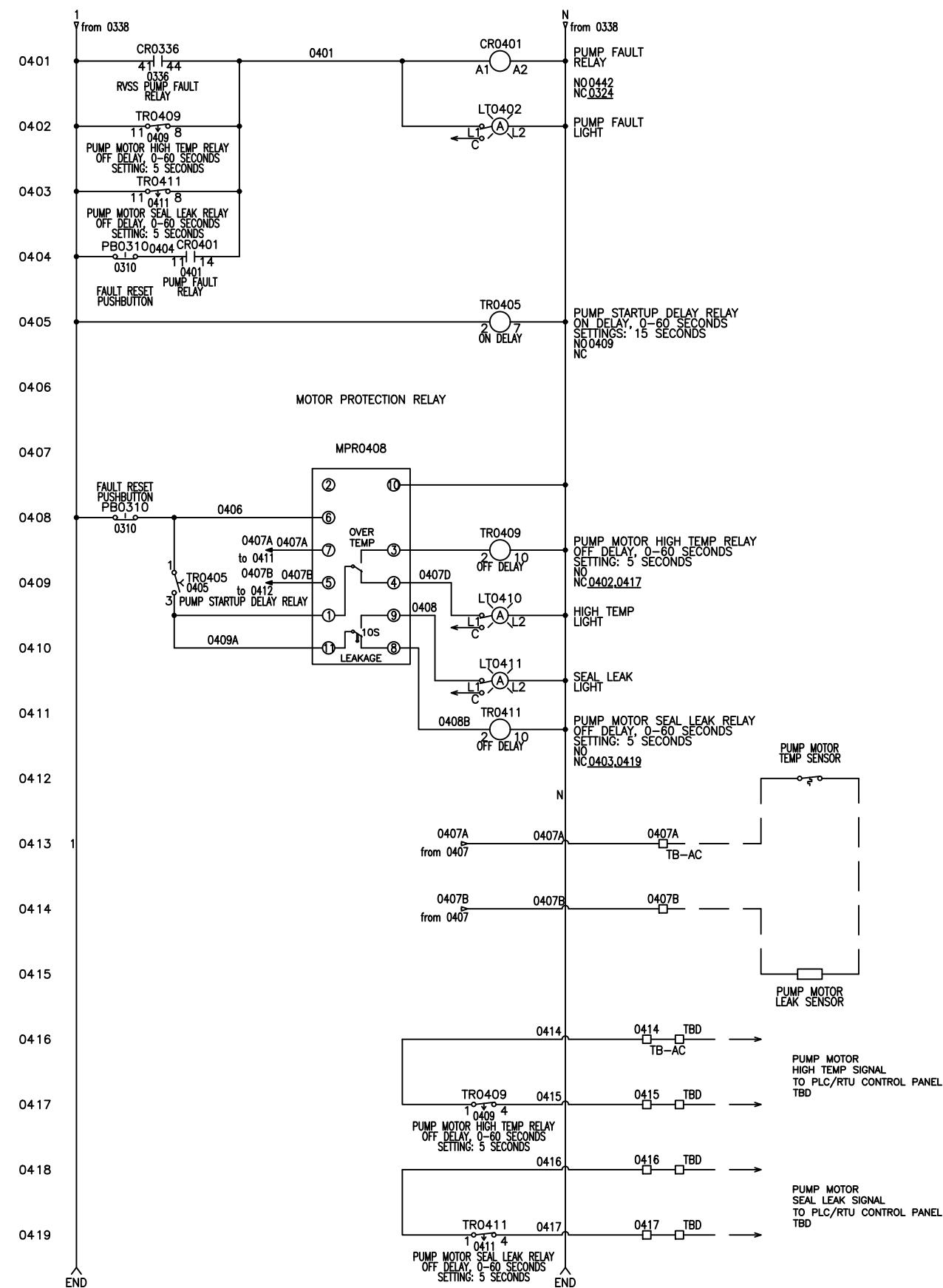
TAGS	QTY	CATALOG	DESCRIPTION	MANUFACTURER
ENC	1	SCE-36XEL3112SS6LP	WALL MOUNT ENCLOSURE - NEMA 4X	SCE
ENC	1	SCE-36P30	ENCLOSURE BACKPANEL	SCE
ENC	1	SCE-ELMFK4	WALL MOUNT FOOT KIT	SCE
DISC	1	9422A2	FLANGE MOUNTED DISCONNECT HANDLE - NEMA 4X	SQUARE D
DISC	1	9422CSB30	CABLE OPERATED DISCONNECT MECHANISM	SQUARE D
ETM	1	722-0001	ELAPSED TIME METER	TRUMETER
ETM	1	5003-010	GASKET, RECTANGULAR, 2-HOLE	TRUMETER
LT0330	1	9001SKT38LG31	PTT LIGHT, 120VAC LED, GREEN	SCHNEIDER ELECTRIC
LT0335	1	9001SKT38LRR31	PTT LIGHT, 120VAC LED, RED	SCHNEIDER ELECTRIC
LT0402, LT0410, LT0411	3	9001SKT38LYA31	PTT LIGHT, 120VAC LED, AMBER	SCHNEIDER ELECTRIC
PB0310	1	9001SKR1B	PUSHBUTTON, BLACK	SCHNEIDER ELECTRIC
PB0310	1	9001KA2	1 NO CONTACT	SCHNEIDER ELECTRIC
PB0310	2	9001KA3	1 NC CONTACT	SCHNEIDER ELECTRIC
SS0321	1	9001SKS43BH2	3 POSITION SWITCH, BLACK	SCHNEIDER ELECTRIC
T0315	1	9070TF150D1	CPT-480/120V, 150VA	SQUARE D
CB0301	1	BDL36020	MAIN CIRCUIT BREAKER, 20A	SQUARE D
CB0319	1	9926251002	CIRCUIT BREAKER, 120VAC, 2A	WEIDMULLER
CR0324, CR0332, CR0336, CR0401	4	RXM2AB2F7	MINIATURE RELAY, 120VAC, 8 BLADE	SCHNEIDER ELECTRIC
CR0324, CR0332, CR0336, CR0401	4	RXZE2M114	RELAY SOCKET, 120VAC, 8 BLADE, DIN	SCHNEIDER ELECTRIC
FU0315B	1	ATMR2	FUSE, FAST ACTING, 2A	MERSEN
FU0315, FU0315A	2	ATQR8/10	FUSE, TIME DELAY, 0.8A	MERSEN
FU0304, FU0304A, FU0305, FU0305A	4	ATMR1/2	FUSE, FAST ACTING, 0.5A	MERSEN
BLOCK	1	30324R	CLASS CC FUSE BLOCK, 4 POLES	MERSEN
TVSS	1	DS43S-480	TRANS. VOLTAGE SURGE SUPPRESSOR	CITEL
RVSS	1	ATS490D17Y	REDUCED VOLTAGE SOFT STARTER	SCHNEIDER ELECTRIC
PWS0306	1	48290000	MODBUD POWER METER	SOCOMEC
PWS0306	1	48290030	DIGITAL I/O POWER METER MODULE	SOCOMEC
PWS0306	3	48290555	SPLIT CORE TR-10 SENSOR, 25-63A	SOCOMEC
PWS0306	1	48290584	RJ12 CONNECTION CABLE, 3 COUNT	SOCOMEC
TR0316, TR0405	2	9050JCK13V20	TIMING RELAY, 0-60 SEC, 120VAC, 8 PIN OCTAL, DPDT	SQUARE D
TR0316, TR0405	2	8501NR51	RELAY SOCKET, 120VAC, 8 PIN OCTAL, DIN	SQUARE D
TR0409, TR0411	2	9050JCK23V20	TIMING RELAY, 0-60 SEC, 120VAC, 11 PIN, DPDT	SQUARE D
TR0409, TR0411	2	8501NR61	RELAY SOCKET, 120VAC, 11 PIN OCTAL, DIN	SQUARE D
HTR0319	1	SCE-TSH50	ENCLOSURE HEATER	SCE
THERMOSTAT	1	7T.81.0.000.2403	ENCLOSURE HEATER THERMOSTAT, NC	FINDER
TB-AC	20	3044076	UNIVERSAL TERMINAL BLOCK - UT 2,5	PHOENIX CONTACT
TB-AC	A/R	D-UT 2,5 / 10	TERMINAL END BARRIER	PHOENIX CONTACT
TB-AC	A/R	UT 2,5-PE	GROUNDING TERMINAL BLOCK	PHOENIX CONTACT
TB-AC	A/R	E/NS 35 N	TERMINAL ANCHOR	PHOENIX CONTACT

TOLERANCES	REVISIONS			DRAWN BY ZBB	SCALE NONE	MATERIAL
	NO.	DATE	BY			
DECIMAL	1				01-22-2026	D32384-02
	2					
FRACTIONAL	3			CHKD MN	APP'D	
	4					
ANGULAR	5			TRACED		
	6					

POMONKEY PUMP STATION IMPROVEMENTS
SPMP-01/02 RVSS PANEL INTERNAL LAYOUT

SI-CONTROLS





TOLERANCES	REVISIONS			POMONKEY PUMP STATION IMPROVEMENTS		
	NO.	DATE	BY	SPMP-01/02 RVSS PANEL 120VAC WIRING DIAGRAM		
DECIMAL	1				SCALE	NONE
	2				CH'CD	MN
FRACTIONAL	3			DRAWN BY	ZBB	MATERIAL
	4			DATE	01-22-2026	DRAWING NUMBER
ANGULAR	5			TRACED	APP'D	D32384-04
	6					