

Proposal

C & G

ELECTRIC, INC.
Electric Contractors

TECL #17377

2901 FM 156 North Krum, Texas 76249 (940) 566-0711 or (940) 387-4331 Fax (940) 387-1172

| | | | |
|--|---------------|--|--------------------------------|
| PROPOSAL SUBMITTED TO City of Sanger | | PHONE # | DATE August 14, 2025 |
| TO THE ATTENTION OF Jim Bolz | | JOB NAME Well 9 250 HP VFD Install | |
| STREET | | BUY BOARD CONTRACT #733-24 | |
| CITY, STATE, ZIP | | EMAIL | |
| PLANS BY | DATE OF PLANS | FAX NUMBER: | JOB PHONE # |

We hereby submit specifications and estimates for:

C&G Electric proposes to provide material and labor for the following:

- 1.) Remove all damaged electrical equipment, including breakers, fuse holders, wiring, and other components using proper lockout/tagout procedures to ensure safety.
- 2.) Remove the existing drive, including disconnection of all power, control, and communication wiring. All reusable wiring will be properly labeled and protected for reconnection.
- 3.) Install new 250 HP Drive, mounted in accordance with manufacturer specifications and site requirements, ensuring adequate ventilation, clearance, and accessibility for operation and maintenance.
- 4.) Install new main breaker dedicated to the 250 HP drive for overcurrent and short-circuit protection, sized appropriately per NEC requirements and the drives specifications.
- 5.) Install new power wiring from the load side of the main breaker to the line side of the new drive, using conductors sized, terminated, and supported in the compliance with applicable electrical codes.
- 6.) Re-terminate the existing line power wiring feeding the main breaker to ensure proper connection, torque, and phasing.
- 7.) Re-terminate the existing load wiring from the drive to the connected equipment, ensuring proper phasing, secure terminations, and compliance with code and manufacturer requirements.
- 8.) Re-establish control wiring to match the original system functionality, ensuring proper signal routing and operation of all interlocks, sensors, and control devices.
- 9.) Test, startup, and commission the new system, including verification of wiring integrity, drive programming, operational testing under load, and adjustment of parameters to meet process requirements.
- 10.) Replace damaged Surge Protection Device.

Sorpo Controls TIPS 230502

Bid Total: \$79,656.00

Notes:

- 1.) Quote excludes sales tax, permit and engineered drawings
- 2.) Quote excludes any repair of electrical feed that is currently exposed between equipment.
- 3.) Cut sheets are attached

It is agreed that in arriving at the above prices for labor and materials it is contemplated by the parties that the same will be paid to the order of C & G Electric, Inc. at its place of business in Denton, Texas, promptly as provided herein, and in the event same is not so paid we agree to pay interest at twelve (12%) percent on same amount from its due date and in the event the same is collected through suit or through an Attorney, the Probate Court or Bankruptcy Court, we agree to pay reasonable collection expenses, including but not limited to attorney's fee thereon. If it becomes necessary to file to secure funds under this agreement we hereby agree to reimburse C & G Electric, Inc., for expenses incurred in the preparation of said lien the sum of \$300.00, in addition to the foregoing reasonable collection expenses, including but not limited to attorney's fees. Regulated by The Texas Department of Licensing and Regulation, P.O. Box 12157, Austin, Texas 78711, 1-800-803-9202, 512-463-6599
www.license.state.tx.us/complaints

C & G ELECTRIC, INC. PROVIDES COMPREHENSIVE GENERAL LIABILITY, WORKER'S COMPENSATION, AUTOMOBILE LIABILITY AND EXCESS LIABILITY INSURANCE COVERAGE. A CERTIFICATE IS AVAILABLE ON REQUEST.

WE PROPOSE hereby to furnish material and labor--complete in accordance with above specifications, for the sum of:

Dollars: \$79,656.00

Payment to be made as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike

manner according to standard practices. Any alteration or deviation from above

specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized

Signature

Jared Carr

Jared Carr, President

Note: This proposal may be withdrawn
by us if not accepted within

30 days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____

Signature _____

Signature _____

Prepared By:

Joshua Cook
716 E Hickory St
Denton, 76259
jocook@dealers electrical.com
D:940-566-3515

Proposal Name: Sanger Well 9 VFD and Filter

Quote Name: Sanger Well 9 VFD and Filter

Proposal Number: P-250729-5416839

Quote Number: Q-6179359

Quote Date: 08/15/2025

Through Addenda Number: 0

Sales Representative: Andrew Widlacki

Conditions of Sale

Except as otherwise provided below, this Quotation is subject to Coordinated Project Terms. See <https://www.schneider-electric.us/en/download/document/0100PL0043>

Notwithstanding any provision to the contrary in the referenced Coordinated Project Terms or any other documentation provided in connection with this proposal, this quote is valid for 30 days. Quoted lead times are approximate and subject to change.

Schneider Electric reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

TABLE OF CONTENTS

Drives

Circuit Breakers

Surge Protection Devices

This Section Contains Products: Drives



Proposal Name: Sanger Well 9 VFD and
Filter
Quote Name: Sanger Well 9 VFD and Filter

Quote Number: Q-6179359
Quote Date: 08/15/2025

| Seq # | Qty | Product Description |
|-------|-----|---|
| 1 | 1 | Designation : Product Details: ATV630C16N4-ATV630 IP00 160KW 400V - 480 |
| Seq # | Qty | Product Description |
| 3 | 1 | Designation : Product Details: VW3A1112-DOOR MOUNTING KIT FOR GRAPHIC KEYPAD |
| Seq # | Qty | Product Description |
| 4 | 1 | Designation : Product Details: VW3A1104R30-3M CABLE FOR REMOTE GRAPHIC TERMINAL |

Product data sheet

Characteristics

ATV630C16N4

Variable Speed Drive, Altivar Process ATV600,
ATV630, 160kW, 250hp, 380 to 480V, IP00

Product availability: Stock - Normally stocked in distribution facility

Price*: 21384.03 USD



Main

| | |
|--|--|
| Range of Product | Altivar Process ATV600 |
| Product Specific Application | Process and utilities |
| Product or Component Type | Variable speed drive |
| Variant | Standard version |
| Device short name | ATV630 |
| Mounting Mode | Wall mount |
| Communication Port Protocol | Modbus serial Modbus TCP Ethernet |
| [Us] rated supply voltage | 380...480 V - 15...10 % |
| [Us] rated supply voltage | 380...480 V |
| Relative symmetric mains voltage tolerance | 10 % |
| Relative symmetric network frequency tolerance | 5 % |
| Nominal output current | 302.0 A |
| IP degree of protection | IP21 |
| Product destination | Asynchronous motors Synchronous motors |
| EMC filter | Integrated 492.1 ft (150 m) IEC 61800-3 category C3 |
| IP degree of protection | IP00IEC 61800-5-1 IP00IEC 60529 IP21 with kit VW3A9704)IEC 61800-5-1 IP21 with kit VW3A9704)IEC 60529 |
| Type of cooling | Forced convection |
| Supply frequency | 50...60 Hz - 5...5 % |
| Motor power kW | 160 KW normal duty) 132 KW heavy duty) |
| Maximum Horse Power Rating | 250 Hp normal duty 200 Hp heavy duty |
| Line current | 284 A 380 V normal duty) 262 A 480 V normal duty) 237 A 380 V heavy duty) 213 A 480 V heavy duty) |
| Continuous output current | 302 A 2.5 kHz normal duty 250 A 2.5 kHz heavy duty |
| Speed drive output frequency | 0.1...500 Hz |

| | |
|-----------------|---|
| Safety function | STO (safe torque off) SIL 3 |
| Option card | Slot A communication module, Profibus DP V1 Slot A communication module, PROFINET Slot A communication module, DeviceNet Slot A communication module, Modbus TCP/EtherNet/IP Slot A communication module, CANopen daisy chain RJ45 Slot A communication module, CANopen SUB-D 9 Slot A communication module, CANopen screw terminals Slot A/slot B digital and analog I/O extension module Slot A/slot B output relay extension module Slot A communication module, Ethernet IP/Modbus TCP/MD-Link Communication module, BACnet MS/TP Communication module, Ethernet Powerlink |

Complementary

| | |
|-------------------------------------|---|
| Discrete input number | 8 |
| Discrete input type | DI7, DI8 programmable as pulse input 0...30 kHz, 24 V DC ≤ 30 V) |
| Discrete input logic | 16 preset speeds |
| Discrete output number | 0 |
| Discrete output type | Relay outputs R1A, R1B, R1C 250 V AC 3000 mA Relay outputs R1A, R1B, R1C 30 V DC 3000 mA Relay outputs R2A, R2C 250 V AC 5000 mA Relay outputs R2A, R2C 30 V DC 5000 mA Relay outputs R3A, R3C 250 V AC 5000 mA Relay outputs R3A, R3C 30 V DC 5000 mA |
| Analogue input number | 3 |
| Analogue input type | AI1, AI2, AI3 software-configurable voltage 0...10 V DC 31.5 kOhm 12 bits AI1, AI2, AI3 software-configurable current 0...20 mA 250 Ohm 12 bits AI2 voltage analog input - 10...10 V DC 31.5 kOhm 12 bits |
| Analogue output number | 2 |
| Analogue output type | Software-configurable voltage AQ1, AQ2 0...10 V DC 470 Ohm 10 bits Software-configurable current AQ1, AQ2 0...20 mA 10 bits Software-configurable current DQ-, DQ+ 30 V DC Software-configurable current DQ-, DQ+ 100 mA |
| Relay output number | 3 |
| Relay output type | Configurable relay logic R1 fault relay NO/NC 100000 cycles Configurable relay logic R2 sequence relay NO 100000 cycles Configurable relay logic R3 sequence relay NO 100000 cycles |
| Maximum switching current | Relay output R1, R2, R3 resistive, cos phi = 1 3 A 250 V AC Relay output R1, R2, R3 resistive, cos phi = 1 3 A 30 V DC Relay output R1, R2, R3 inductive, cos phi = 0.4 7 ms 2 A 250 V AC Relay output R1, R2, R3 inductive, cos phi = 0.4 7 ms 2 A 30 V DC |
| Minimum switching current | Relay output R1, R2, R3 5 mA 24 V DC |
| Phase | 3 phase |
| Physical interface | Ethernet 2-wire RS 485 |
| Method of access | Slave Modbus TCP |
| Transmission Rate | 10, 100 Mbits 4800 bps, 9600 bps, 19200 bps, 38.4 Kbps |
| Transmission frame | RTU |
| Output voltage | ≤ power supply voltage |
| Permissible temporary current boost | 1.1 x I _n 60 s normal duty) 1.5 x I _n 60 s heavy duty) |
| Data format | 8 bits, configurable odd, even or no parity |
| Type of polarization | No impedance |
| Frequency resolution | Display unit 0.1 Hz Analog input 0.012/50 Hz |
| Electrical connection | Control removable screw terminals 0.5...1.5 mm² AWG 20...AWG 16 Line side screw terminal 2 x 95...3 x 120 mm² 2 x AWG 3/0...2 x 300 kcmil Motor screw terminal 2 x 95...3 x 120 mm² 2 x AWG 3/0...2 x 300 kcmil |
| Connector type | RJ45 on the remote graphic terminal)Ethernet/Modbus TCP RJ45 on the remote graphic terminal)Modbus serial |

| | |
|-------------------------------------|--|
| Exchange mode | Half duplex, full duplex, autonegotiation Ethernet/Modbus TCP |
| Number of addresses | 1...247 Modbus serial |
| Supply | External supply for digital inputs 24 V DC 19...30 V), <1.25 mA overload and short-circuit protection Internal supply for reference potentiometer (1 to 10 kOhm) 10.5 V D-C +/- 5 %, <10 mA overload and short-circuit protection Internal supply for digital inputs and STO 24 V DC 21...27 V), <200 mA overload and short-circuit protection |
| Local signalling | 3 LEDs for local diagnostic 3 LEDs (dual colour) for embedded communication status 4 LEDs (dual colour) for communication module status 1 LED (red) for presence of voltage |
| Input compatibility | DI1...DI6 discrete input level 1 PLC IEC 61131-2 DI5, DI6 discrete input level 1 PLC IEC 65A-68 STOA, STOB discrete input level 1 PLC IEC 61131-2 |
| Discrete input logic | Positive logic (source) DI1...DI8), < 5 V, > 11 V Negative logic (sink) DI1...DI8), > 16 V, < 10 V |
| Sampling duration | 2 Ms +/- 0.5 ms DI1...DI4) - discrete input 5 Ms +/- 1 ms DI5, DI6) - discrete input 5 Ms +/- 0.1 ms AI1, AI2, AI3) - analog input 10 Ms +/- 1 ms AO1) - analog output |
| Accuracy | +/- 0.6 % AI1, AI2, AI3 for a temperature variation 60 °C analog input +/- 1 % AO1, AO2 for a temperature variation 60 °C analog output |
| Linearity error | AI1, AI2, AI3 +/- 0.15 % of maximum value analog input AO1, AO2 +/- 0.2 % analog output |
| Refresh time | Relay output R1, R2, R3) 5 ms +/- 0.5 ms) |
| Isolation | Between power and control terminals |
| Discrete and process manufacturing | Building - HVAC compressor centrifugal Food and beverage processing other application Mining mineral and metal fan Mining mineral and metal pump Oil and gas fan Water and waste water other application Building - HVAC screw compressor Food and beverage processing pump Food and beverage processing fan Food and beverage processing atomization Oil and gas electro submersible pump (ESP) Oil and gas water injection pump Oil and gas jet fuel pump Oil and gas compressor for refinery Water and waste water centrifuge pump Water and waste water positive displacement pump Water and waste water electro submersible pump (ESP) Water and waste water screw pump Water and waste water lobe compressor Water and waste water screw compressor Water and waste water compressor centrifugal Water and waste water fan Water and waste water conveyor Water and waste water mixer |
| Power range | 110...220 KW 380...440 V 3 phase 110...220 KW 480...500 V 3 phase |
| Enclosure mounting | Wall mounted |
| 4 quadrant operation possible | False |
| Asynchronous motor control profile | Constant torque standard Optimized torque mode Variable torque standard |
| Synchronous motor control profile | Permanent magnet motor Synchronous reluctance motor |
| Maximum output frequency | 500 KHz |
| Acceleration and deceleration ramps | Linear adjustable separately from 0.01...9999 s |
| Motor slip compensation | Adjustable Can be suppressed Not available in permanent magnet motor law Automatic whatever the load |

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|--|--|
| Switching frequency | 2.5...8 kHz with derating factor 2...8 kHz adjustable |
| Nominal switching frequency | 2.5 kHz |
| Braking to standstill | By DC injection |
| Brake chopper integrated | False |
| Maximum Input Current per Phase | 284.0 A |
| Maximum output voltage | 480.0 V |
| Apparent power | 201.3 KVA 480 V normal duty) 161.4 KVA 480 V heavy duty) |
| Maximum transient current | 332.2 A 60 s normal duty) 375 A 60 s heavy duty) |
| Network Frequency | 50-60 Hz |
| Prospective line Isc | 50 KA |
| Base load current at high overload | 250.0 A |
| Base load current at low overload | 302.0 A |
| Power dissipation in W | Forced convection 3270 W 380 V 2.5 kHz |
| With safety function Safely Limited Speed (SLS) | False |
| With safety function Safe brake management (SBC/SBT) | False |
| With safety function Safe Operating Stop (SOS) | False |
| With safety function Safe Position (SP) | False |
| With safety function Safe programmable logic | False |
| With safety function Safe Speed Monitor (SSM) | False |
| With safety function Safe Stop 1 (SS1) | False |
| With safety function Safe Stop 2 (SS2) | False |
| With safety function Safe torque off (STO) | True |
| With safety function Safely Limited Position (SLP) | False |
| With safety function Safe Direction (SDI) | False |
| Protection type | Thermal protection motor Safe torque off motor Motor phase break motor Thermal protection drive Safe torque off drive Overheating drive Overcurrent between output phases and earth drive Overload of output voltage drive Short-circuit protection drive Motor phase break drive Overvoltages on the DC bus drive Line supply overvoltage drive Line supply undervoltage drive Line supply phase loss drive Overspeed drive Break on the control circuit drive |
| Quantity per Set | 1 |
| Width | 12.6 In (320 mm) |
| Height | 33.5 In (852 mm) |
| Depth | 15.4 In (390 mm) |
| Net Weight | 180.8 Lb(US) (82 kg) |

Environment

| | |
|-----------------------|---|
| Insulation resistance | > 1 MOhm 500 V DC for 1 minute to earth |
| Noise level | 69.9 DB 86/188/EEC |
| Pollution degree | 2 IEC 61800-5-1 |
| Vibration resistance | 1.5 mm peak to peak (f= 2...13 Hz) conforming to IEC 60068-2-6 1 gn (f= 13...200 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 15 gn 11 ms IEC 60068-2-27 |
| Relative humidity | 5...95 % without condensation IEC 60068-2-3 |

| | |
|--|--|
| Ambient air temperature for operation | 5...122 °F (-15...50 °C) (without derating) 122...140 °F (50...60 °C) (with derating factor) |
| Operating altitude | <= 3280.84 ft (1000 m) without derating 1000...4800 m with current derating 1 % per 100 m |
| Operating position | Vertical +/- 10 degree |
| Product Certifications | ATEX INERIS[RETURN]DNV-GL[RETURN]CSA[RETURN]TÜV[RETURN]JUL[RE- TURN]ATEX zone 2/22 |
| Marking | CE |
| Standards | UL 508C IEC 61800-3 IEC 61800-3 environment 1 category C2 EN/IEC 61800-3 environment 2 category C3 IEC 61800-5-1 IEC 61000-3-12 IEC 60721-3 IEC 61508 IEC 13849-1 |
| Maximum THDI | <48 % full load IEC 61000-3-12 |
| Electromagnetic compatibility | Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test level 3 conforming- to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4 1.2/50 µs - 8/20 µs surge immunity test level 3 conforming to IEC 61000-4-5 Conducted radio-frequency immunity test level 3 conforming to IEC 61000-4-6 |
| Environmental class (during operation) | Class 3C3 according to IEC 60721-3-3 Class 3S3 according to IEC 60721-3-3 |
| Maximum acceleration under shock impact (during- operation) | 60 m/s² at 11 ms |
| Maximum acceleration under vibrational- stress (during operation) | 10 m/s² at 13...200 Hz |
| Maximum deflection under vibratory load (during op- eration) | 1.5 mm at 2...13 Hz |
| Permitted relative humidity (during operation) | Class 3K5 according to EN 60721-3 |
| Volume of cooling air | 158506.07 Gal/Hr(US) (600 m³/h) |
| Overvoltage category | III |
| Regulation loop | Adjustable PID regulator |
| Noise level | 69.9 DB |
| Pollution degree | 2 |
| Ambient air transport temperature | -40...158 °F (-40...70 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US1CP4E22207 |
| Discount Schedule | CP4E |
| GTIN | 3606480796050 |
| Returnability | Yes |
| Country of origin | US |

Packing Units

| | |
|------------------------|-----------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 25.59 In (65.000 cm) |
| Package 1 Width | 18.50 In (47.000 cm) |
| Package 1 Length | 40.55 In (103.000 cm) |
| Package weight(Lbs) | 275.578 Lb(US) (125.000 kg) |

Environmental data

| | |
|--|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| Total lifecycle Carbon footprint | 104 ton CO2 eq. |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 644.84 |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 645 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 12.902 |
| Carbon footprint of the distribution phase [A4] | 13 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 6.9408 |
| Carbon footprint of the installation phase [A5] | 7 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 103360 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 103 ton CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| RoHS exemption information | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 17.97 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 18 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Carbon footprint (kg CO2 eq, Total Life cycle) | 104040 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| REACH Regulation | REACH Declaration |
| SCIP Number | 3a1ae1b7-96ff-4a20-9804-40393f13630f |
| Product contributes to saved and avoided emissions | Yes |
| 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. |

Product Life Status : **Commercialised**

Product data sheet

Characteristics

VW3A1112

door mounting kit, Altivar, for remote graphic terminal, IP65

Product availability: Stock - Normally stocked in distribution facility

Price*: 96.00 USD



Main

| | |
|---------------------------------------|--|
| Range of Product | Altivar |
| Accessory / separate part category | Mounting and fixing accessory |
| Accessory / Separate Part Type | Mounting kit |
| Accessory / separate part destination | Variable speed drive |
| Range Compatibility | Altivar Process ATV900 Altivar Process ATV600 Altivar Easy 610 Altivar Machine ATV340 Altivar Machine ATV320 |
| IP Degree of Protection | IP65 |

Complementary

| | |
|-----------------|--|
| Kit composition | Fixing nut Mounting plate Anti-rotation tee Tightening wrench |
|-----------------|--|

Ordering and shipping details




| | |
|-------------------|---------------|
| Category | US1CP4E22205 |
| Discount Schedule | CP4E |
| GTIN | 3606480702242 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

| | |
|------------------------|----------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 2.68 In (6.800 cm) |
| Package 1 Width | 3.58 In (9.100 cm) |
| Package 1 Length | 5.04 In (12.800 cm) |
| Package weight(Lbs) | 4.515 Oz (128.000 g) |
| Unit Type of Package 2 | S03 |

| | |
|------------------------------|----------------------------|
| Number of Units in Package 2 | 32 |
| Package 2 Height | 11.81 In (30.000 cm) |
| Package 2 Width | 11.81 In (30.000 cm) |
| Package 2 Length | 15.75 In (40.000 cm) |
| Package 2 Weight | 10.935 Lb(US) (4.960 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 256 |
| Package 3 Height | 29.53 In (75.000 cm) |
| Package 3 Width | 23.62 In (60.000 cm) |
| Package 3 Length | 31.50 In (80.000 cm) |
| Package 3 Weight | 105.116 Lb(US) (47.680 kg) |

Environmental data

| | |
|--|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| Total lifecycle Carbon footprint | 0.7 kg CO2 eq. |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 0.64194 |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 0.6 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.016244 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0034257 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0 kg CO2 eq. |
| Sustainable packaging | No |
| RoHS exemption information |  Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.014396 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0 kg CO2 eq. |
| Environmental Disclosure |  Product Environmental Profile |
| Carbon footprint (kg CO2 eq, Total Life cycle) | 1 |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| SCIP Number | 24c7e79a-7150-421c-95a0-a8ddb3befe3e |
| Circularity Profile | No need of specific recycling operations |
| Take-back | No |

| | |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|

Product data sheet

Characteristics

VW3A1104R30

remote cable, Altivar, for graphic display terminal,
3 meters

Product availability: Stock - Normally stocked in distribution facility

Price*: 35.00 USD



Main

| | |
|---------------------------------------|--|
| Range of Product | Altivar |
| Accessory / separate part category | Connection accessories |
| Accessory / Separate Part Type | Remote cable |
| Product or Component Type | Connecting cable |
| Product Compatibility | VW3A1101 VW3M1701 |
| Accessory / separate part destination | Remote graphic display terminal |
| Range Compatibility | Altivar 71Q Altivar 212 Easy Altivar 610 Altivar Process ATV600 Altivar 32 Altivar 312 Altivar 61Q Altivar 61 Easy Altivar 310 Altivar Process ATV900 Altistart 22 Altivar Machine ATV340 Altivar 71 Altivar 12 Altivar 312 Solar Altivar Machine ATV320 Lexium 32 |
| Cable length | 9.8 Ft (3 m) |

Complementary

| | |
|-----------------------|-----------------------|
| Electrical Connection | 2 male connectors |
| Connector Type | RJ45 |
| Net Weight | 0.33 Lb(US) (0.15 kg) |



Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US1CP4C22135 |
| Discount Schedule | CP4C |
| GTIN | 3389118070400 |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|----------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 1.18 In (3.000 cm) |
| Package 1 Width | 5.12 In (13.000 cm) |
| Package 1 Length | 5.51 In (14.000 cm) |
| Package weight(Lbs) | 4.903 Oz (139.000 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 50 |
| Package 2 Height | 11.81 In (30.000 cm) |
| Package 2 Width | 11.81 In (30.000 cm) |
| Package 2 Length | 15.75 In (40.000 cm) |
| Package 2 Weight | 16.854 Lb(US) (7.645 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 400 |
| Package 3 Height | 29.53 In (75.000 cm) |
| Package 3 Width | 23.62 In (60.000 cm) |
| Package 3 Length | 31.50 In (80.000 cm) |
| Package 3 Weight | 154.773 Lb(US) (70.204 kg) |

Environmental data

| | |
|--|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH free of SVHC | Yes |
| Sustainable packaging | No |
| RoHS exemption information |  Yes |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Take-back | No |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

| | |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|

This Section Contains Products: Circuit Breakers



Proposal Name: Sanger Well 9 VFD and
Filter
Quote Name: Sanger Well 9 VFD and Filter

Quote Number: Q-6179359
Quote Date: 08/15/2025

| Seq # | Qty | Product Description |
|-------|-----|---------------------|
| 2 | 1 | Designation : |

Product Details:
LHL36000MV-AUTOMATIC MOLDED CASE SWITCH 600V 400A

Product data sheet

Characteristics

LHL36000MV

Automatic switch, LH, 400A, 3 pole, 600VAC, 25kA, 250VDC, 50kA, lugs, magnetic, Visi-blade



Product availability: Stock - Normally stocked in distribution facility

Price*: 5195.00 USD



Main

| | |
|---------------------------|------------------|
| Product or Component Type | Circuit breaker |
| Trip unit technology | Thermal-magnetic |

Complementary

| | |
|-----------------------------|--|
| Line Rated Current | 400 A |
| Poles description | 3P |
| Breaking capacity code | H |
| Mounting Mode | Unit mount |
| Magnetic hold current | 8000 A |
| Magnetic tripping current | 9600 A |
| Electrical connection | Lugs, load |
| Terminal identifier | AL400LA |
| Tightening torque | 115.06 Lbf.In (13 N.m) 0.07...0.5 in ² (42...304 mm ²) (AWG 1...600 kcmil) 115.06 Lbf.In (13 N.m) 0.07...0.2 in ² (42...127 mm ²) (AWG 1...250 kcmil) |
| Height | 11 In (279.4 mm) |
| Width | 6 In (152.4 mm) |
| Depth | 5.84 In (148.34 mm) |
| Circuit breaker application | HACR rated |

Environment

| | |
|------------------------|---------------------------------|
| Product Certifications | CSA[RETURN]UL Listed[RETURN]IEC |
|------------------------|---------------------------------|

Ordering and shipping details

| | |
|-------------------|--------------|
| Category | US10DE200935 |
| Discount Schedule | 0DE2 |
| GTIN | 785901998457 |
| Returnability | Yes |
| Country of origin | MX |

Packing Units

| | |
|------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 9.20 In (23.368 cm) |
| Package 1 Width | 11.70 In (29.718 cm) |
| Package 1 Length | 17.30 In (43.942 cm) |
| Package weight(Lbs) | 16.061 Lb(US) (7.285 kg) |

Environmental data

| | |
|--|--|
| California proposition 65 | WARNING: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, 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 |
| Total lifecycle Carbon footprint | 805 kg CO2 eq. |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 49.671357924070975 |
| Carbon footprint of the manufacturing-phase [A1 to A3] | 50 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 2.228383327123949 |
| Carbon footprint of the distribution phase [A4] | 2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 2.1496401101385745 |
| Carbon footprint of the installation phase [A5] | 2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 739.3949682892573 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 739 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| RoHS exemption information | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 11.67639778652332 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 12 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Carbon footprint (kg CO2 eq, Total Life cycle) | 805 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant with Exemptions EU RoHS Declaration |
| REACH Regulation | REACH Declaration |
| SCIP Number | 45160aaa-1457-439f-bca7-7bd5246ac23e |
| Halogen content performance | Halogen free plastic parts product |
| PVC free | Yes |
| Circularity Profile | End Of Life Information |
| Take-back | No |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

| | |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|

This Section Contains Products: Surge Protection Devices



Proposal Name: Sanger Well 9 VFD and
Filter
Quote Name: Sanger Well 9 VFD and Filter

Quote Number: Q-6179359
Quote Date: 08/15/2025

| Seq # | Qty | Product Description |
|-------|-----|---|
| 5 | 1 | Designation : Product Details: HL4IMA16C1-SPDT1HLI-LINE160KA480Y/277V3P4W |

Product data sheet

Characteristics

HL4IMA16C1

Surge protection device, Surgellogic, HL, 160kA, 480Y/277 VAC, 3 phase, 4 wire, SPD type 1



Product availability: Stock - Normally stocked in distribution facility

Price*: 11292.00 USD



Main

| | |
|---------------------------|-------------------------|
| Product or Component Type | Surge protection device |
| Range of Product | Surgellogic |
| Device short name | IMA |
| Breaking capacity code | HL |

Complementary

| | |
|---|--|
| [Ue] rated operational voltage | 480Y/277 V AC |
| [Uc] maximum continuous operating voltage | 320 V |
| Short-circuit protection | 200 KA |
| Surge current | 160 KA |
| Line Rated Current | 60 A |
| Breaking capacity | 50 KA |
| Phase | 3 phase |
| Number of poles | 3 |
| Wiring configuration | 4-wire |
| Connections - terminals | I-Line line Lugs ground AWG 6 copper 35.4 lbf.in (4 N.m) Lugs neutral AWG 6 copper 35.4 lbf.in (4 N.m) |
| Trip unit technology | Thermal-magnetic |
| Local signalling | Status LED green per phase normal operation Status LED red per phase fault |
| Provided equipment | Alarm enable/disable switch Surge counter Circuit-breaker |
| Cable length | 19.02 In (483 mm) |
| Mounting Support | Panel mounting |
| Height | 12.2 In (308.9 mm) |
| Width | 13.5 In (341.9 mm) |
| Depth | 5.6 In (142.1 mm) |

Environment

| | |
|---------------------------|---|
| NEMA Degree of Protection | NEMA 1 |
| Standards | UL 1449:ed. 3 CSA C22.2 No 8:1986 UL 96A:ed. 12 UL 489:ed. 11 CSA C22.2 No 5-09 |

Ordering and shipping details

| | |
|-------------------|--------------|
| Category | US1DE1B08460 |
| Discount Schedule | DE1B |
| GTIN | 785901072140 |
| Returnability | Yes |
| Country of origin | MX |

Packing Units

| | |
|------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 10.00 In (25.400 cm) |
| Package 1 Width | 16.00 In (40.640 cm) |
| Package 1 Length | 17.50 In (44.450 cm) |
| Package weight(Lbs) | 21.239 Lb(US) (9.634 kg) |

Environmental data

| | |
|--|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| Sustainable packaging | No |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant with Exemptions EU RoHS Declaration |
| Take-back | No |

| | |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|

008-ENTERPRISE FUND
50-WATER

| DEPARTMENTAL EXPENDITURES | | BUDGET |
|--|-----------------------------|-----------|
| TOTAL 53-MAINTENANCE AND OPERAT | | 1,207,225 |
| 50-5360 | SYSTEM MAINTENANCE | |
| CURRENT YEAR NOTES: | | |
| ORIGINAL REQUEST \$300,000. ADDED FROM CAPITAL REQUESTS: | | |
| \$78,755 250 HP DRIVE WELL 9 | | |
| \$5,622 ENDRESS HAUSER FLOW METER WELL 8 | | |
| 54-CONTRACT SERVICES | | |
| 50-5420 | CONTRACTUAL SERVICES | 40,000 |
| 50-5428 | MAGUIRE IRON MAINT CONTRACT | 91,235 |
| 50-5430 | PROFESSIONAL SERVICES | 10,000 |
| 50-5450 | TECHNICAL SUPPORT | 2,500 |
| TOTAL 54-CONTRACT SERVICES | | 143,735 |
| 55-UTILITIES | | |
| 50-5515 | ELECTRIC | 150,000 |
| 50-5520 | CELL PHONE | 500 |
| 50-5521 | IPAD MONTHLY SERVICE | 1,600 |
| TOTAL 55-UTILITIES | | 152,100 |
| 61-CAPITAL OUTLAY | | |
| 50-6102 | BUILDINGS & IMPROVEMENTS | 0 |
| 50-6103 | INFRASTRUCTURE | 0 |
| 50-6105 | MACHINERY & EQUIPMENT | 0 |
| 50-6106 | VEHICLES | 0 |
| TOTAL 61-CAPITAL OUTLAY | | 0 |
| 71-DEPRECIATION | | |
| 50-7100 | DEPRECIATION EXPENSE | 0 |
| TOTAL 71-DEPRECIATION | | 0 |
| 70-DEBT PAYMENTS | | |
| 50-7007 | NOTE PAYMENTS | 0 |
| 50-7099 | INTEREST EXPENSE | 0 |
| TOTAL 70-DEBT PAYMENTS | | 0 |
| 90-BAD DEBT ALLOWANCE | | |
| 50-9000 | BAD DEBT EXPENSE WATER | 0 |
| TOTAL 90-BAD DEBT ALLOWANCE | | 0 |
| TOTAL 50-WATER | | 2,229,483 |