

ER6022

For full product information, visit www.sti.com. Use the SpeedSPEC Code for quick access to the specific web page.

Rope Pull Emergency Stop Switch

- Rope spans up to 80 m (262 ft.) means fewer number of switches required per application
- Tension indicator makes system setup and rope tension maintenance easy
- Contact arrangements of 2 N/C + 1 N/O, 3 N/C + 1 N/O or 2 N/C + 2 N/O
- IP67 (NEMA 6) enclosure enables the ER6022 switch to withstand water washdown cleaning
- Reset button—the blue reset button must be pushed in order to return to “machine run” condition following switch actuation by a pulled or slacked rope
- Indicator beacon—the optional dual indicator beacon, available in 24 VDC or 120 VAC, can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch
- E-stop button—the ER6022 has two mounting positions where the optional E-stop button may be installed; the E-stop button may be added or replaced in the field
- Rubber bellows contain UV inhibitor making the switches suitable for outdoor applications



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
UL and C-UL listed, TUV certified

Specifications

| Electrical | All Models |
|-----------------------------------|--|
| Contact Configurations: | 2 N/C + 1 N/O, 3 N/C + 1 N/O, 2 N/C + 2 N/O |
| Safety Contacts: | 2 N/C, 3 N/C |
| Switching Ability | AC: 240 V–3 A, 120 V–6 A, Inductive, DC: 24 V–2.5 A, Inductive |
| Auxiliary Contacts: | 1 N/O, 2 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum |
| Mechanical | |
| LED Indicator Beacon: | 24 VDC, 120 VAC |
| Mechanical | 1 million minimum |
| Mounting: | Any position |
| Mounting Hardware: | 4 x M5 screws |
| Max Rope Span: | 80 m (262 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless Steel |
| Stainless Accessory Items: | 304 Stainless Steel |
| Wiring Entry: | 3 x M20 or 3 x 0.5 in. NPT |
| Weight: | 880 g (31 oz.) |
| Color: | Yellow |
| Mechanical Life: | 1 x 10 ⁶ minimum |
| Environmental | |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown |
| Compliance | |
| Standards: | IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304 |
| Approvals/Listings: | CE marked for all applicable directives, UL and C-UL, TUV |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

Operation



Blue Reset Knob

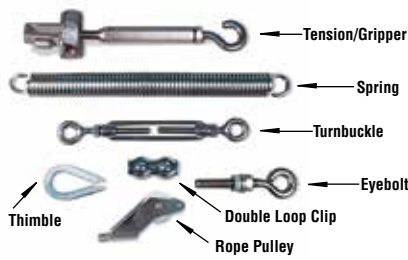
A blue reset button is provided to easily return the unit back to its machine-run position after actuation.



Emergency Push Button

The emergency push button may be installed or repositioned in the field. The ER6022 has two possible mounting positions for the emergency stop button.

Installation Hardware Available



Installation Hardware

Individual hardware items may be purchased for specific installation requirements.



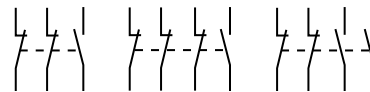
RK Rope Tension Kit

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.

For up to 50 m rope span, one rope end is terminated with a thimble, permanent clamp, and quick link attached.

For over 50 m rope span, 2 Tension/Gripper assemblies are supplied (no quick link.)

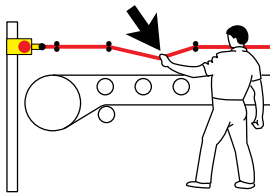
Contact Arrangements



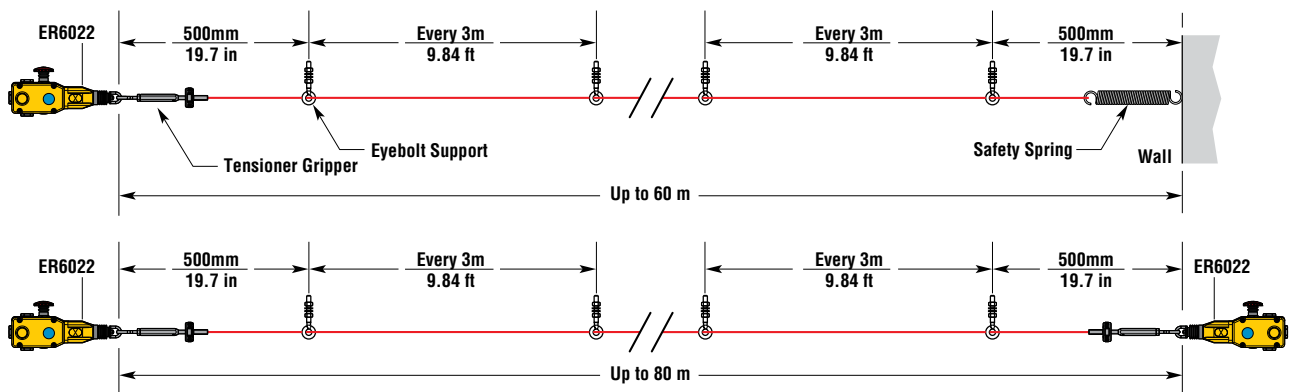
| | 0 mm 0 in | 3.5 0.14 | 14.5 0.57 | 17.0 0.67 |
|---------------------------|-------------------|----------------------|--------------------|--------------|
| 2NC + 1NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 3NC + 1NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 43/44 | | | | |
| 2NC + 2NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 43/44 | | | | |

Contact Open Contact Closed

Mounting Specification



For a guide to installing, see "Proper Installation of Rope or Wire Pull Emergency Stop Devices" in the Expert Area Section of this catalog on page A-78.

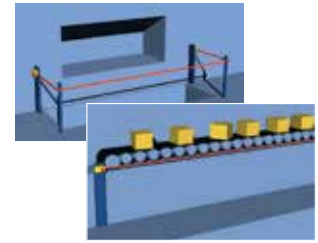
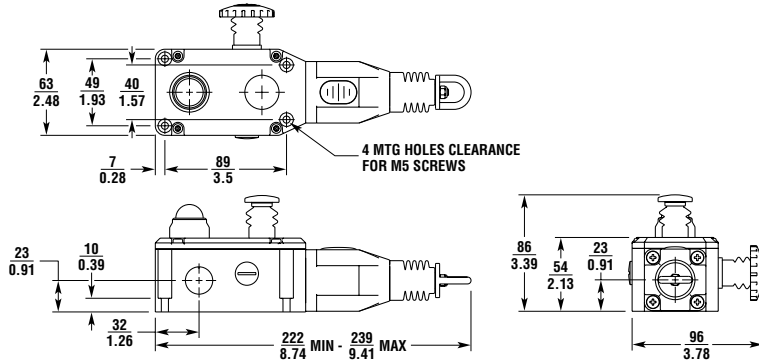


Dimensions

(mm/in.)

Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



Ordering

| Model | E-stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
|---|--------------|-------------------|---------------|-----------------|------------|
| ER Switches with 3 pole contact blocks | | | | | |
| ER6022-021M | Not included | Not included | 2 N/C + 1 N/O | 3 x M20 | 44506-5010 |
| ER6022-021N | Not included | Not included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5020 |
| ER6022-021ME | Included | Not included | 2 N/C + 1 N/O | 3 x M20 | 44506-5210 |
| ER6022-021NE | Included | Not included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5220 |
| ER6022-021MEL | Included | Included | 2 N/C + 1 N/O | 3 x M20 | 44506-5410 |
| ER6022-021NEL | Included | Included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5420 |
| ER6022-021NELAC | Included | Included, 120 VAC | 2 N/C + 1 N/O | 1/2" NPT | 44506-5423 |
| ER Switches with 4 pole contact blocks | | | | | |
| ER6022-031M | Not included | Not included | 3 N/C + 1 N/O | M20 | 44506-5050 |
| ER6022-031N | Not included | Not included | 3 N/C + 1 N/O | 1/2 in. NPT | 44506-5060 |
| ER6022-022M | Not included | Not included | 2 N/C + 2 N/O | M20 | 44506-5070 |
| ER6022-022N | Not included | Not included | 2 N/C + 2 N/O | 1/2 in. NPT | 44506-5080 |
| ER6022-031ML | Not included | Included, 24 VDC | 3 N/C + 1 N/O | M20 | 44506-5150 |
| ER6022-031NL | Not included | Included, 24 VDC | 3 N/C + 1 N/O | 1/2 in. NPT | 44506-5160 |
| ER6022-022ML | Not included | Included, 24 VDC | 2 N/C + 2 N/O | M20 | 44506-5170 |
| ER6022-022NL | Not included | Included, 24 VDC | 2 N/C + 2 N/O | 1/2 in. NPT | 44506-5180 |
| ER6022-031ME | Included | Not included | 3 N/C + 1 N/O | M20 | 44506-5250 |
| ER6022-031NE | Included | Not included | 3 N/C + 1 N/O | 1/2 in. NPT | 44506-5260 |
| ER6022-022ME | Included | Not included | 2 N/C + 2 N/O | M20 | 44506-5270 |
| ER6022-022NE | Included | Not included | 2 N/C + 2 N/O | 1/2 in. NPT | 44506-5280 |
| ER6022-031MEL | Included | Included, 24 VDC | 3 N/C + 1 N/O | M20 | 44506-5450 |
| ER6022-031NEL | Included | Included, 24 VDC | 3 N/C + 1 N/O | 1/2 in. NPT | 44506-5460 |
| ER6022-022MEL | Included | Included, 24 VDC | 2 N/C + 2 N/O | M20 | 44506-5470 |
| ER6022-022NEL | Included | Included, 24 VDC | 2 N/C + 2 N/O | 1/2 in. NPT | 44506-5480 |
| ER6022-031NELAC | Included | Included, 120 VAC | 3 N/C + 1 N/O | 1/2 in. NPT | 44506-5463 |
| ER6022-022NELAC | Included | Included, 120 VAC | 2 N/C + 2 N/O | 1/2 in. NPT | 44506-5483 |

| Accessories | | | | | Part No. | |
|----------------------------------|-------------------|------------------|----------------------------------|---------------------|------------|------------|
| Stainless Steel Rope Kits | Quick Link | Eye-bolts | Tension/ Gripper Assembly | Allen Wrench | | |
| | RK5, 5 m Kit | Yes | 3 | 1 | 1 | 44506-2705 |
| | RK10, 10 m Kit | Yes | 5 | 1 | 1 | 44506-2710 |
| | RK15, 15 m Kit | Yes | 7 | 1 | 1 | 44506-2715 |
| | RK20, 20 m Kit | Yes | 9 | 1 | 1 | 44506-2720 |
| | RK30, 30 m Kit | Yes | 12 | 1 | 1 | 44506-2730 |
| | RK50, 50 m Kit | Yes | 20 | 1 | 1 | 44506-2750 |
| | RK80, 80 m Kit | No | 30 | 2 | 2 | 44506-2780 |
| | RK100, 100 m Kit | No | 37 | 2 | 2 | 44506-2711 |
| | RK126, 126 m Kit | No | 45 | 2 | 2 | 44505-2726 |
| Rope Only | | | | | | |
| R5M, 5 m Rope Only | | | | | 44506-3705 | |
| R10M, 10 m Rope Only | | | | | 44506-3710 | |
| R20M, 20 m Rope Only | | | | | 44506-3720 | |
| R30M, 30 m Rope Only | | | | | 44506-3730 | |
| R50M, 50 m Rope Only | | | | | 44506-3750 | |
| R80M, 80 m Rope Only | | | | | 44506-3780 | |
| R100M, 100 m Rope Only | | | | | 44506-3711 | |
| R126M, 126 m Rope Only | | | | | 44506-3726 | |

| Accessories | Part No. |
|---|------------|
| SM06-SL500, Replacement Lid 24 VDC | 44506-5700 |
| SM06-SL510, Replacement Lid/LED 24 VDC | 44506-5710 |
| SM06-SL510AC, Replacement Lid/LED 120 VAC (consult factory for complete switch with 120 VAC beacon) | 44506-5711 |
| SM06-TK00, Tensioner Kit (Turnbuckle, 8 Rope Grips & 4 Thimbles) | 44506-0700 |
| SM06-TG00, Tensioner Gripper, Stainless Steel | 44506-4700 |
| SM06-EB10, Eye Bolt, Stainless Steel, 8 per pack | 44506-4710 |
| SM06-EB20, Eye Bolt, Galvanized | 44506-0720 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | 44506-4721 |
| SM06-THS5, Thimble, Stainless Steel, 4 per pack | 44506-4770 |
| SM06-THGV, Thimble, Galvanized, 4 per pack | 44506-4771 |
| SM06-QLSS, Quick Link, Stainless Steel | 44506-4772 |
| SM06-TB30, Turnbuckle, Stainless Steel | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | 44506-4731 |
| SM06-SP30, Spring, Galvanized | 44506-0730 |
| SM06-SP50, Spring, Stainless Steel | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | 44506-4760 |
| SM06-LF40, Replacement LED Indicator Beacon, 24 VDC | 44506-4740 |
| SM06-LF41, Replacement LED Indicator Beacon, 120 VAC | 44506-4741 |

Safety Precautions

Operating instructions

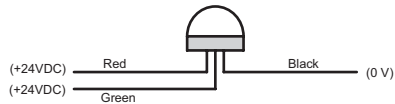
Installation must be in accordance with the following steps and stated specifications and should be carried out by suitably competent personnel. Adherence to the recommended maintenance instructions forms part of the warranty.

WARNING Do not defeat, tamper, remove or bypass this unit. Severe injury to personnel could result.

Optional 24 VDC Indicator Beacon

When +24VDC is applied to the **red** wire, the beacon will illuminate red and flash.

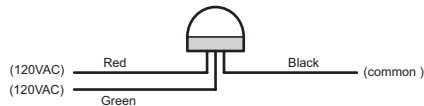
When +24 VDC is applied to the **green** wire, the beacon will illuminate green.



Optional 120 VAC Indicator Beacon

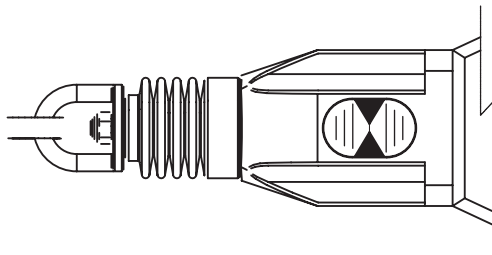
When +120VAC is applied to the **red** wire, the beacon will illuminate red and flash.

When +120 VAC is applied to the **green** wire, the beacon will illuminate green.



Tension Indicator

Indicator shown with steel rope properly adjusted.



WARNING

1. Installation of all Safety Rope Switch systems must be in accordance with a risk assessment for the individual application. Installation must only be carried out by competent personnel and in accordance with these instructions.
2. Rope support eyebolts must be fitted at 2.5 m. min. to 3 m. max. intervals along all rope lengths between switches. The rope must be supported no more than 500 mm from the switch eyebolt or Safety Spring (if used). It is important that this first 500 mm is not used as part of the active protection coverage.
3. M5 mounting bolts must be used to fix the switches. Tightening torque for mounting bolts to ensure reliable fixing is 4 Nm. Tightening torque for the lid screws, conduit entry plugs and cable glands must be 1.5 Nm to ensure IP seal. Only use correct sizing glands for conduit entry and cable outside diameter.
4. Tensioning of rope is achieved by use of tensioner / gripper assemblies. Upon installation, tension to mid-position as indicated by the red arrows in the viewing window of each switch. Check operation for all switches and the control circuits by pulling the rope at various locations along the active protection area and resetting each switch by depressing the Blue Reset button. Ensure each time that the switches latch off and require manual resetting by depressing the Blue Reset button. Increase the system tension further, if required, depending upon the checks along the active length of coverage. If fitted with a Mushroom type E-Stop button (Red) then test and reset each switch to ensure function of control circuits. Typical operational conditions for successful operation of system is less than 75 N. pulling force and less than 150 mm deflection of rope between eyebolt supports. If the optional LED is fitted but is not used, ensure that the conductors remain coiled and tied to the tie hole in the LED flange.
5. Every week: Check correct operation of system at locations along all coverage length. Check for nominal tension setting, re-tension rope if necessary. Every 6 months: Isolate power and remove cover. Check screw terminal tightness and check for signs of moisture ingress. Never attempt to repair any switch.

Terms and Conditions of Sale

1. **Offer; Acceptance.** These terms and conditions (these "**Terms**") are deemed part of all quotes, agreements, purchase orders, acknowledgments, price lists, catalogs, manuals, brochures and other documents, whether electronic or in writing, relating to the sale of products or services (collectively, the "**Products**") by Omron Electronics LLC and its subsidiary companies ("**Omron**"). Omron objects to any terms or conditions proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms.
2. **Prices; Payment Terms.** All prices stated are current, subject to change without notice by Omron. Omron reserves the right to increase or decrease prices on any unshipped portions of outstanding orders. Payments for Products are due net 30 days unless otherwise stated in the invoice.
3. **Discounts.** Cash discounts, if any, will apply only on the net amount of invoices sent to Buyer after deducting transportation charges, taxes and duties, and will be allowed only if (i) the invoice is paid according to Omron's payment terms and (ii) Buyer has no past due amounts.
4. **Interest.** Omron, at its option, may charge Buyer 1-1/2% interest per month or the maximum legal rate, whichever is less, on any balance not paid within the stated terms.
5. **Orders.** Omron will accept no order less than \$200 net billing.
6. **Governmental Approvals.** Buyer shall be responsible for, and shall bear all costs involved in, obtaining any government approvals required for the importation or sale of the Products.
7. **Taxes.** All taxes, duties and other governmental charges (other than general real property and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Omron or required to be collected directly or indirectly by Omron for the manufacture, production, sale, delivery, importation, consumption or use of the Products sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Omron.
8. **Financial.** If the financial position of Buyer at any time becomes unsatisfactory to Omron, Omron reserves the right to stop shipments or require satisfactory security or payment in advance. If Buyer fails to make payment or otherwise comply with these Terms or any related agreement, Omron may (without liability and in addition to other remedies) cancel any unshipped portion of Products sold hereunder and stop any Products in transit until Buyer pays all amounts, including amounts payable hereunder, whether or not then due, which are owing to it by Buyer. Buyer shall in any event remain liable for all unpaid accounts.
9. **Cancellation; Etc.** Orders are not subject to rescheduling or cancellation unless Buyer indemnifies Omron against all related costs or expenses.
10. **Force Majeure.** Omron shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
11. **Shipping; Delivery.** Unless otherwise expressly agreed in writing by Omron:
 - a. Shipments shall be by a carrier selected by Omron; Omron will not drop ship except in "break down" situations.
 - b. Such carrier shall act as the agent of Buyer and delivery to such carrier shall constitute delivery to Buyer;
 - c. All sales and shipments of Products shall be FOB shipping point (unless otherwise stated in writing by Omron), at which point title and risk of loss shall pass from Omron to Buyer; provided that Omron shall retain a security interest in the Products until the full purchase price is paid;
 - d. Delivery and shipping dates are estimates only; and
 - e. Omron will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
12. **Claims.** Any claim by Buyer against Omron for shortage or damage to the Products occurring before delivery to the carrier must be presented in writing to Omron within 30 days of receipt of shipment and include the original transportation bill signed by the carrier noting that the carrier received the Products from Omron in the condition claimed.
13. **Warranties.** (a) **Exclusive Warranty.** Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied. (b) **Limitations.** OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) **Buyer Remedy.** Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty. See <http://www.omron247.com> or contact your Omron representative for published information.
14. **Limitation on Liability; Etc.** OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY. Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.
15. **Indemnities.** Buyer shall indemnify and hold harmless Omron Companies and their employees from and against all liabilities, losses, claims, costs and expenses (including attorney's fees and expenses) related to any claim, investigation, litigation or proceeding (whether or not Omron is a party) which arises or is alleged to arise from Buyer's acts or omissions under these Terms or in any way with respect to the Products. Without limiting the foregoing, Buyer (at its own expense) shall indemnify and hold harmless Omron and defend or settle any action brought against such Companies to the extent based on a claim that any Product made to Buyer specifications infringed intellectual property rights of another party.
16. **Property; Confidentiality.** Any intellectual property in the Products is the exclusive property of Omron Companies and Buyer shall not attempt to duplicate it in any way without the written permission of Omron. Notwithstanding any charges to Buyer for engineering or tooling, all engineering and tooling shall remain the exclusive property of Omron. All information and materials supplied by Omron to Buyer relating to the Products are confidential and proprietary, and Buyer shall limit distribution thereof to its trusted employees and strictly prevent disclosure to any third party.
17. **Export Controls.** Buyer shall comply with all applicable laws, regulations and licenses regarding (i) export of products or information; (ii) sale of products to "forbidden" or other proscribed persons; and (iii) disclosure to non-citizens of regulated technology or information.
18. **Miscellaneous.** (a) **Waiver.** No failure or delay by Omron in exercising any right and no course of dealing between Buyer and Omron shall operate as a waiver of rights by Omron. (b) **Assignment.** Buyer may not assign its rights hereunder without Omron's written consent. (c) **Law.** These Terms are governed by the law of the jurisdiction of the home office of the Omron company from which Buyer is purchasing the Products (without regard to conflict of law principles). (d) **Amendment.** These Terms constitute the entire agreement between Buyer and Omron relating to the Products, and no provision may be changed or waived unless in writing signed by the parties. (e) **Severability.** If any provision hereof is rendered ineffective or invalid, such provision shall not invalidate any other provision. (f) **Setoff.** Buyer shall have no right to set off any amounts against the amount owing in respect of this invoice. (g) **Definitions.** As used herein, "including" means "including without limitation"; and "Omron Companies" (or similar words) mean Omron Corporation and any direct or indirect subsidiary or affiliate thereof.

Certain Precautions on Specifications and Use

1. **Suitability of Use.** Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases but the following is a non-exhaustive list of applications for which particular attention must be given: (i) Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this document. (ii) Use in consumer products or any use in significant quantities. (iii) Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations. (iv) Systems, machines and equipment that could present a risk to life or property. Please know and observe all prohibitions of use applicable to this Product. NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON'S PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
2. **Programmable Products.** Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.
3. **Performance Data.** Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.
4. **Change in Specifications.** Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.
5. **Errors and Omissions.** Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

OMRON AUTOMATION AND SAFETY • THE AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • www.omron247.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • www.omron.com.br

OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

OMRON CHILE • SALES OFFICE

Santiago • 56.9.9917.3920

OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300

OMRON EUROPE B.V. • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • +31 (0) 23 568 13 00 • www.industrial.omron.eu

Authorized Distributor:

Automation Control Systems

- Machine Automation Controllers (MAC) • Programmable Controllers (PLC)
- Operator interfaces (HMI) • Distributed I/O • Software

Drives & Motion Controls

- Servo & AC Drives • Motion Controllers & Encoders

Temperature & Process Controllers

- Single and Multi-loop Controllers

Sensors & Vision

- Proximity Sensors • Photoelectric Sensors • Fiber-Optic Sensors
- Amplified Photomicrosensors • Measurement Sensors
- Ultrasonic Sensors • Vision Sensors

Industrial Components

- RFID/Code Readers • Relays • Pushbuttons & Indicators
- Limit and Basic Switches • Timers • Counters • Metering Devices
- Power Supplies

Safety

- Laser Scanners • Safety Mats • Edges and Bumpers • Programmable Safety Controllers • Light Curtains • Safety Relays • Safety Interlock Switches

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А