| BIGTIOCECINE | | | | | | | | | | | | | |
|--|---|--|--|---|--|---|------------------------|------------------|---|---|-------------------------------|-------------------------------|--|
| Autonics | | | | Specifications | | | | | | | | Wire Connections | |
| | Model | ACL-20 | | | CL-50L | ACL-20T | ACL-40T | ACL-50T | ACL-20L | | | | |
| | | Rated voltage Rated current | ≤10A | =, 250VAC~ 50/60 | JHZ | | | | | | | | |
| | | Common type Terminal type | Left +CC Screwles | B1 B2 B3 B4 B5 B6 B7 B8 + + + + + - - - | | | | | | | | | |
| | INS | The number of termina | | 40 | 50 |) | 20 | 40 | 50 | | | | |
| | Terminal pitch Applicable Solid wire | e Ø0.6 to 9 | Ø1.25mm (60℃ onl | | | | | | A1 A2 A3 A4 A5 A6 A7 A + + + + + + | | | | |
| | D | wires Stranded wire UL: AWG22-16 (0.30 to 1.25mm²) (60 °C only) Stripped wire length 8 to 10mm | | | | | | | | | | | |
| | | Insulation resistance ≥1,000MΩ (at 500VDC megger) Dielectric strength 3,000VAC 50/60Hz for 1 minute (between open terminals) | | | | | | | | ● ACL-40L | | | |
| (PRODUCT) | Vibration Mechanical 0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours Malfunction 0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 10 minutes | | | | | | | | B1 B2 B3 B4 B5 B6 B7 B8 | | | | |
| | | | | | | Shock Mechanical 1,000m/s ² (approx. 100G) in each X, Y, Z direction for 3 times Malfunction 100m/s ² (approx. 10G) in each X, Y, Z direction for 3 times Ambient temp. -15 to 55°C, storage: -25 to 65°C | | | | | | | |
| | | | | | | | | | | | | | A1 A2 A3 A4 A5 A6 A7 A |
| | | | | | | Ambient humi. 35 to 85%RH, storage: 35 to 85%RH Material Terminal: polyamide 66, conductive plate: copper, tin plated, case: polycarbonate, base: polycarbonate | | | | | | | |
| | Protection structure IP20 (IEC standard) Approval C € · ® · see | | | | | | | | ACL-50L | | | | |
| [20-pin] | [' | 40-pin] | | [50-pin] | Weight ^{*1} | Approx. (approx. | | | oprox. 164g pprox. 97g) | Approx. 71g (approx. 42g) | Approx. 146g (approx. 79g) | Approx. 164g (approx. 97g) | |
| | Thank | you for choosir | ng our Autonics prod | uct | %1: The weight includ %Environment resista | | | | or unit only. | | | | |
| 1 | Please read the | Dimensions (unit: mm) | | | | | | | | | | | |
| | aidarationa | | | | ■ Dimensions (unit min) ● ACL-20L(T) 57.5 | | | | | | | | |
| Safety Cons Serve all safe | | | | 53 | | | | | | + + + + + + + | | | |
| x x symbol represents | , | | | 5 | 5 | | | | | ACL-20T | | | |
| Warning Failure | | | | | | | | | 8 22 | | | | |
| Caution Failure to | | | | | | 38 46. 48. | | | | B1 B2 B3 B4 B5 B6 B7 B8 + + + + + + + + | | | |
| 1. Fail-safe device must b | | | | <u><u><u> </u></u></u> | <u>5555</u> | ļļļ | | | | | | | |
| loss. (e.g. nuclear powe equipment, crime/disas | | | | | <u>`</u> | _/ | д | | | | | | |
| Failure to follow this instr 2. Do not connect, repair, Failure to follow this instr | | | | | | | | | | | | | |
| 3. Do not disassemble or Failure to follow this instr | | | | | | | | ● ACL-40T | | | | | |
| ▲ Caution | | | | | | | | | | | | | B1 B2 B3 B4 B5 B6 B7 B8 |
| Use the unit within the rated specifications. Failure to follow this instruction may result in fire or product damage. Use dry cloth to clean the unit, and do not use water or organic solvent. | | | | | | ● ACL-40L(T) / ACL-50L(T) | | | | | | | |
| Failure to follow this instr 3. Do not use the unit in t | B → | | | | | | | | A1 A2 A3 A4 A5 A6 A7 A8 | | | | |
| impact, or salinity may Failure to follow this instr | | | | | | | | | | | | | |
| 4. Keep metal chip, dust, Failure to follow this instr | and wire residue from | | | | | | | | | ACL-50T | | | |
| | | | | | | | | | | | | | |
| Model | Item | Hodel A B | | | | | | | B1 B2 B3 B4 B5 B6 B7 B8 + + + + + + + + + + + + | | | | |
| ACL-20L | | Terminal type | 20 | Common type Left-Right Common | 1000 | <u> 44444</u> | | <u>4444</u> | ↓ ↓ | ACL-40L | . , | | |
| ACL-20T ACL-40L | 2 | Screwless | | Top-Bottom Common Left-Right Common | | | | | | | <u> </u> | | A1 A2 A3 A4 A5 A6 A7 A8 |
| ACL-40T | Common terminal block | | 40 | Top-Bottom Common | | ₽₽₽₽₽ ₹ | | | | 32.9 | | | |
| ACL-50L ACL-50T | | | 50 | Left-Right Common Top-Bottom Common | | | | | | | | | Cautions during Use I. Follow instructions in 'Cautions during Use |
| ACL-501 | | | | тор-воцот соттоп | | I II. | | <u> </u> | | | | | 2. Keep away from high voltage lines or power line and input significant sign |
| Crimp Terminal Specifications | | | | | | Installation DIN rail Connection part I. Mounting and removal at DIN rail | | | | | | | |
| A (unit: mm) | | | | | | Mounting 1) Pull the rail lock towards direction ①. | | | | | | | |
| | * | | A | B C Applicable wire | 2) Attach the DIN rail (3) Push the unit towar | connection pa | art onto the DIN rail. | il lock in to lo | ock | | | | ②Altitude max. 2,000m ③Pollution degree 2 |
| В | | C End Sleeve (Ferrule Ter | minal) crimp 10 to 12.0 | | toward the unit. | | | | | 1 | Rai | lock | Installation category II |
| ≜ | | terminal XUse the U | L certified crimp terminal. | (60°C only) | Removal | | | | | | | m < ³ | Major Products |
| · · · · | | | | | | 1) Insert a screwdriver into the rail lock hole and push it towards direction ③. 2) Remove the unit by pulling the unit towards direction ④. | | | | | | | Photoelectric Sensors Fiber Optic Sensors Temperature C Temperature/H |
| Connecting Crimp Terminals | | | | | | - | | | | | (4) ♠ | W | Door Sensors SSRs/Power C Door Side Sensors Counters |
| © Connecting and removing end sleeve (ferrule terminal) crimp terminal | | | | | | | | | | | | | Area Sensors Timers Proximity Sensors Panel Meters Tablegraduat |
| Connecting1) Push the end sleeve (fer | wile terminel) erimen te | | | | | | | | Pressure Sensors Tachometer/Pu Rotary Encoders Connector/Sockets Sensor Control | | | | |
| Removing | , , | 2. Mounting with scr | ews | | | | | Mounting h | nole | Switching Mode Power Supplies Control Switches/Lamps/Buzzers | | | |
| 1) Press and hold the catch 2) Pull and remove the end | above the terminal in sleeve (ferrule termina | al) crimp terminal to | tiathead screwdriver. owards direction ③. | | 1) The unit can be more 2) M4×10mm spring w | asher screws | s are recommended | for installation | | | / | | I/O Terminal Blocks & Cables Stepper Motors/Drivers/Motion Controllers |
| | | flat washers, use Ø8 to 1.5N·m. | 3mm diameter | washers. The tighte | ening torque s | should be from | | | | Graphic/Logic Panels Field Network Devices | | | |
| *The above specification | | | | | | | | | Laser Marking System (Fiber, Co ₂ , Nd:YAG) Laser Welding/Cutting System | | | | |
| The above specifications are subject to change and some models may be discontinued without notice. Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage). | | | | | | | | | | 1111111 | <u></u> | | |
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B9 B10 + + A8 A9 A10

A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20

Use'. Otherwise, it may cause unexpected accidents.

power lines to prevent inductive noise.

signal line closely, use line filter or varistor at power line and shielded wire at input signal line. generates strong magnetic force or high frequency noise.

environments.

n rated in 'Specifications')

Controllers Humidity Transducers Controllers

Pulse(Rate)Meters

rollers



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