

# Specifications



## Eaton 197220

Eaton Moeller® series EASY I/O expansion,  
For use with easyE4, 24 V DC, Inputs  
expansion (number) digital: 8, screw  
terminal

### General specifications

|                     |                                             |
|---------------------|---------------------------------------------|
| <b>PRODUCT NAME</b> | Eaton Moeller® series<br>EASY I/O expansion |
|---------------------|---------------------------------------------|

|                       |        |
|-----------------------|--------|
| <b>CATALOG NUMBER</b> | 197220 |
|-----------------------|--------|

|                   |                  |
|-------------------|------------------|
| <b>MODEL CODE</b> | EASY-E4-DC-16TE1 |
|-------------------|------------------|

|            |               |
|------------|---------------|
| <b>EAN</b> | 4015080892816 |
|------------|---------------|

|                                 |       |
|---------------------------------|-------|
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 58 mm |
|---------------------------------|-------|

|                       |       |
|-----------------------|-------|
| <b>PRODUCT HEIGHT</b> | 90 mm |
|-----------------------|-------|

|                      |       |
|----------------------|-------|
| <b>PRODUCT WIDTH</b> | 72 mm |
|----------------------|-------|

|                       |        |
|-----------------------|--------|
| <b>PRODUCT WEIGHT</b> | 0.2 kg |
|-----------------------|--------|

IEC/EN 61000-6-2  
IEC/EN 61000-4-2  
EN 61010  
IEC 60068-2-27  
IEC/EN 61000-6-3  
IEC 60068-2-30  
EN 50178  
IEC 60068-2-6  
IEC/EN 61131-2  
CSA-C22.2 No. 61010  
CULus per UL 61010  
UL Listed  
UL Category Control No.:  
NRAQ, NRAQ7  
UL File No.: E205091  
DNV GL  
CE  
UL hazardous location  
class I  
UL hazardous location  
division 2  
UL hazardous location  
group B (hydrogen)  
UL hazardous location  
group A (acetylene)  
UL hazardous location  
group D (propane)  
UL hazardous location  
group C (ethylene)

### CERTIFICATIONS

## Ambient conditions, mechanical

|                        |                                              |
|------------------------|----------------------------------------------|
| <b>DROP AND TOPPLE</b> | 50 mm Drop height, Drop to IEC/EN 60068-2-31 |
|------------------------|----------------------------------------------|

|                                                 |       |
|-------------------------------------------------|-------|
| <b>HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX</b> | 0.3 m |
|-------------------------------------------------|-------|

|                          |                        |
|--------------------------|------------------------|
| <b>MOUNTING POSITION</b> | Horizontal<br>Vertical |
|--------------------------|------------------------|

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| <b>SHOCK RESISTANCE</b> | 15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts |
|-------------------------|-------------------------------------------------------------------------------------------|

|                             |                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>VIBRATION RESISTANCE</b> | According to IEC/EN 60068-2-6<br>10 - 57 Hz, 0.15 mm constant amplitude<br>57 - 150 Hz, 2 g constant acceleration |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|

## Climatic environmental conditions

|                     |                            |
|---------------------|----------------------------|
| <b>AIR PRESSURE</b> | 795 - 1080 hPa (operation) |
|---------------------|----------------------------|

|                                            |       |
|--------------------------------------------|-------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 55 °C |
|--------------------------------------------|-------|

|                                          |       |
|------------------------------------------|-------|
| <b>AMBIENT STORAGE TEMPERATURE - MAX</b> | 70 °C |
|------------------------------------------|-------|

|                                            |        |
|--------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C |
|--------------------------------------------|--------|

|                                          |        |
|------------------------------------------|--------|
| <b>AMBIENT STORAGE TEMPERATURE - MIN</b> | -40 °C |
|------------------------------------------|--------|

|                                 |                                                                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL CONDITIONS</b> | Clearance in air and creepage distances according to EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201<br>Condensation: prevent with appropriate measures |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>RELATIVE HUMIDITY</b> | 5 - 95 % (IEC 60068-2-30, IEC 60068-2-78) |
|--------------------------|-------------------------------------------|

## Cable

|                     |                                           |
|---------------------|-------------------------------------------|
| <b>CABLE LENGTH</b> | 100 m, unscreened, Digital inputs 24 V DC |
|---------------------|-------------------------------------------|

## Communication

|                        |                |
|------------------------|----------------|
| <b>CONNECTION TYPE</b> | Screw terminal |
|------------------------|----------------|

## Design verification

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility.                                                                                           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility.                                                                                           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                                                                                       |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Meets the product standard's requirements.                                                                                       |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                           | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                           | Does not apply, since the entire switchgear needs to be evaluated.                                                               |

## Electrical rating

|                                                                              |                                                                                                                                                                |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)</b> | 0.5 A                                                                                                                                                          |
| <b>HEAT DISSIPATION</b>                                                      | 3.4 W (at 24 V DC)                                                                                                                                             |
| <b>INRUSH CURRENT</b>                                                        | 12.5 A (for 6 ms)                                                                                                                                              |
| <b>POWER CONSUMPTION</b>                                                     | 1 W                                                                                                                                                            |
| <b>POWER LOSS</b>                                                            | 1 W                                                                                                                                                            |
| <b>RATED OPERATIONAL CURRENT (IE)</b>                                        | Max. 0.5 A at signal „1“ DC per channel                                                                                                                        |
| <b>RATED OPERATIONAL VOLTAGE</b>                                             | 20.4 - 28.8 V DC<br>20.4 - 28.8 V DC (Transistor outputs)<br>24 V DC (transistor outputs)<br>24 V DC (digital inputs)<br>24 V DC (-15 %/+ 20 % - power supply) |
| <b>SUPPLY CURRENT</b>                                                        | 18/32 mA, Normally/max., On 0 signal, Transistor outputs<br>24/44 mA, Normally/max., On 1 signal, Transistor outputs                                           |
| <b>SUPPLY VOLTAGE AT DC - MAX</b>                                            | 28.8 VDC                                                                                                                                                       |
| <b>SUPPLY VOLTAGE AT DC - MIN</b>                                            | 20.4 VDC                                                                                                                                                       |

|                                                                      |                                        |
|----------------------------------------------------------------------|----------------------------------------|
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>             | Is the panel builder's responsibility. |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                      | Is the panel builder's responsibility. |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                      | Is the panel builder's responsibility. |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                              | Is the panel builder's responsibility. |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>      | Is the panel builder's responsibility. |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 0 W                                    |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                    |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                    |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                    |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 1 W                                    |

## Electro magnetic compatibility

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AIR DISCHARGE</b>                           | 8 kV                                                                                                                                                                                      |
| <b>BURST IMPULSE</b>                           | 2 kV, Signal cable<br>According to IEC/EN 61000-4-4<br>2 kV, Supply cable                                                                                                                 |
| <b>CONTACT DISCHARGE</b>                       | 6 kV                                                                                                                                                                                      |
| <b>ELECTROMAGNETIC FIELDS</b>                  | 1 V/m at 2.0 - 2.7 GHz<br>(according to IEC EN 61000-4-3)<br>3 V/m at 1.4 - 2 GHz<br>(according to IEC EN 61000-4-3)<br>10 V/m at 0.8 - 1.0 GHz<br>(according to IEC EN 61000-4-3)        |
| <b>IMMUNITY TO LINE-CONDUCTED INTERFERENCE</b> | 10 V (according to IEC/EN 61000-4-6)                                                                                                                                                      |
| <b>RADIO INTERFERENCE CLASS</b>                | Class B (EN 61000-6-3)                                                                                                                                                                    |
| <b>SURGE RATING</b>                            | 0.5 kV, Supply cables, symmetrical, power pulses (Surge), EMC<br>According to IEC/EN 61000-4-5, power pulses (Surge), EMC<br>1 kV, Supply cables, asymmetrical, power pulses (Surge), EMC |
| <b>VOLTAGE DIPS</b>                            | 20 ms<br>≤ 10 ms, Bridging voltage dips                                                                                                                                                   |

## Features & functions

|                   |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FEATURES</b>   | Expansion device<br>Parallel connection of transistor outputs with resistive load, inductive load with external suppressor circuit, combination within a group - Group 1 Q1 to Q4<br>Expandable<br>Parallel connection of transistor outputs with resistive load, inductive load with external suppressor circuit, combination within a group - Group 2 Q5 to Q8 |
| <b>FUNCTIONS</b>  | Thermal cutout                                                                                                                                                                                                                                                                                                                                                   |
| <b>INDICATION</b> | LCD-display base unit used as Output status indication of Transistor outputs<br>LCD-display base unit used as status indication of Digital inputs 24 V DC                                                                                                                                                                                                        |

## General information

|                              |                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DEGREE OF PROTECTION</b>  | IP20                                                                                                                                                                                                                                                                                                                    |
| <b>DUTY FACTOR</b>           | 100 % (Inductive load to EN 60947-5-1, With external suppressor circuit)<br>100 % (Inductive load to EN 60947-5-1, Without external suppressor circuit, DC-13, T0.95 = 72 ms, R = 48 Ω, L = 1.15 H)<br>100 % (Inductive load to EN 60947-5-1, Without external suppressor circuit, T0.95 = 15 ms, R = 48 Ω, L = 0.24 H) |
| <b>INSULATION RESISTANCE</b> | According to EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201                                                                                                                                                                                                                                         |
| <b>MOUNTING METHOD</b>       | Top-hat rail fixing (according to IEC/EN 60715, 35 mm)<br>Rail mounting possible<br>Screw fixing using fixing brackets ZB4-101-GF1 (accessories)<br>Front build in possible<br>Wall mounting/direct mounting                                                                                                            |
| <b>OPERATING FREQUENCY</b>   | Dependent on the cycle- and transmission-time of the expansion devices<br>Depending on the suppressor circuit (Inductive load to EN 60947-5-1, With external suppressor circuit, Max. switching frequency, max. duty factor)<br>Dependent on the cycle time of the basic device                                         |
| <b>OVERVOLTAGE CATEGORY</b>  | III                                                                                                                                                                                                                                                                                                                     |
| <b>POLLUTION DEGREE</b>      | 2                                                                                                                                                                                                                                                                                                                       |
| <b>PRODUCT CATEGORY</b>      | Control relays easyE4                                                                                                                                                                                                                                                                                                   |
| <b>PROTOCOL</b>              | TCP/IP<br>MODBUS                                                                                                                                                                                                                                                                                                        |
| <b>RESIDUAL CURRENT</b>      | 0.1 mA (on signal "1" per channel)                                                                                                                                                                                                                                                                                      |
| <b>RESIDUAL RIPPLE</b>       | 5 % (transistor outputs)<br>≤ 5 %                                                                                                                                                                                                                                                                                       |
| <b>SOFTWARE</b>              | EASYSOFT-SWLIC/easySoft                                                                                                                                                                                                                                                                                                 |
| <b>TYPE</b>                  | easyE4 extension                                                                                                                                                                                                                                                                                                        |

## Input/Output

|                                    |                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DELAY TIME</b>                  | 0.2 ms typ., Digital inputs 24 V DC (I1 - I8), Delay time from 1 to 0, Debounce OFF<br><br>20 ms, Digital Inputs 12 V DC, Delay time from 1 to 0, Debounce ON<br>0.1 ms typ., Digital inputs 24 V DC (I1 - I8), Delay time from 0 to 1, Debounce OFF<br><br>20 ms, Digital Inputs 12 V DC, Delay time from 0 to 1, Debounce ON |
| <b>INPUT CURRENT</b>               | 40 mA                                                                                                                                                                                                                                                                                                                          |
| <b>INPUT VOLTAGE</b>               | Condition 1: ≥ 15 V DC (I1 - I8, Digital inputs, 24 V DC)<br>Signal 0: ≤ 5 V DC (I1 - I8, Digital inputs, 24 V DC)                                                                                                                                                                                                             |
| <b>LAMP LOAD</b>                   | Max. 3 W (without Rv per channel)                                                                                                                                                                                                                                                                                              |
| <b>NUMBER OF INPUTS (ANALOG)</b>   | 0                                                                                                                                                                                                                                                                                                                              |
| <b>NUMBER OF INPUTS (DIGITAL)</b>  | 8                                                                                                                                                                                                                                                                                                                              |
| <b>NUMBER OF OUTPUTS (ANALOG)</b>  | 0                                                                                                                                                                                                                                                                                                                              |
| <b>NUMBER OF OUTPUTS (DIGITAL)</b> | 8                                                                                                                                                                                                                                                                                                                              |
| <b>OUTPUT</b>                      | 8 Transistor Outputs<br>4 A, Max. total current, Outputs<br>Parallel connection of max. 8 Transistor outputs<br>Voltage<br>Current                                                                                                                                                                                             |
| <b>OUTPUT VOLTAGE</b>              | Max. 2.5 V (at status 0 per channel, transistor outputs)<br>U = U <sub>e</sub> - 1 V (signal 1 at I <sub>e</sub> = 0.5 A, transistor outputs)                                                                                                                                                                                  |
| <b>UTILIZATION FACTOR</b>          | 1 (Inductive load to EN 60947-5-1, With external suppressor circuit)<br>0.25 (Inductive load to EN 60947-5-1, Without external suppressor circuit, T0.95 = 15 ms, R = 48 Ω, L = 0.24 H)<br>0.25 (Inductive load to EN 60947-5-1, Without external suppressor circuit, DC-13, T0.95 = 72                                        |

|                     |    |
|---------------------|----|
| <b>VOLTAGE TYPE</b> | DC |
|---------------------|----|

|                           |
|---------------------------|
| ms, R = 48 Ω, L = 1.15 H) |
|---------------------------|

## Safety

|                                             |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EXPLOSION SAFETY CATEGORY FOR DUST</b>   | None                                                                                                                                                                                                                                                                                                                                                              |
| <b>EXPLOSION SAFETY CATEGORY FOR GAS</b>    | None                                                                                                                                                                                                                                                                                                                                                              |
| <b>POTENTIAL ISOLATION</b>                  | Between Digital inputs 24 V DC and Outputs: no<br>Between Transistor outputs and expansion devices: yes<br>Between Transistor outputs and Inputs: no<br>Between Digital inputs 24 V DC and expansion devices: yes<br>Between Digital inputs 24 V DC: no<br>Between Digital inputs 24 V DC and Power supply: no<br>Between Transistor outputs and Power supply: no |
| <b>PROTECTION AGAINST POLARITY REVERSAL</b> | Yes, for supply voltage (Siemens MPI optional)<br>For transistor outputs (Caution: A short circuit will result if 0 V/earth is applied to the outputs in the event that the supply voltage is connected to the wrong poles)                                                                                                                                       |

## Terminal capacities

|                          |                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>SCREWDRIVER SIZE</b>  | 3.5 x 0.8 mm, Terminal screw                                                                                   |
| <b>TERMINAL CAPACITY</b> | 0.2 - 2.5 mm <sup>2</sup> (22 - 12 AWG), flexible with ferrule<br>0.2 - 4 mm <sup>2</sup> (AWG 22 - 12), solid |
| <b>TIGHTENING TORQUE</b> | 0.6 Nm, Screw terminals                                                                                        |

## Short-circuit rating

|                                       |                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SHORT-CIRCUIT CURRENT</b>          | 13.6 A, Transistor outputs                                                                                                                         |
| <b>SHORT-CIRCUIT PROTECTION</b>       | ≥ 1 A (T), Fuse, Power supply<br>Yes, electronic (Q1 - Q4, Q5 - Q8), Transistor outputs                                                            |
| <b>SHORT-CIRCUIT TRIPPING CURRENT</b> | 0.7 ≤ I <sub>e</sub> ≤ 1.7 per output,<br>For R <sub>a</sub> ≤ 10 mΩ,<br>Depending on number of active channels and their load, Transistor outputs |

## Resources

|                            |                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICATION NOTES          | <a href="#">eaton-easye4-aws-ap050027-en-us.pdf</a>                                                                                                          |
| CATALOGUES                 | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>                                                                       |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-i-o-expansion-declaration-of-conformity-eu251486en.pdf</a><br><a href="#">eaton-i-o-expansion-declaration-of-conformity-uk251130en.pdf</a> |
| DRAWINGS                   | <a href="#">eaton-modular-plc-easy-i-o-expansion-dimensions-003.eps</a>                                                                                      |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <a href="#">eaton-general-easy-control-relays-symbol-002.tif</a><br><br><a href="#">eaton-modular-plc-easy-i-o-expansion-3d-drawing.eps</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ECAD MODEL                | <a href="#">DA-CE-ETN.EASY-E4-DC-16TE1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| INSTALLATION INSTRUCTIONS | <a href="#">eaton-easye4-i-o-expansions-control-relays-il050021zu.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INSTALLATION VIDEOS       | <a href="#">Video easy E4 control relay</a><br><br><a href="#">Control relay easyE4: The new generation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MCAD MODEL                | <a href="#">DA-CS-dc_16te1</a><br><br><a href="#">eaton-logic-modules-mcad-drawings-dc-16te1.dwg</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MULTIMEDIA                | <a href="#">How to process ModbusRTU devices with the EASY-COM-RTU-M1 module on an easyE4?</a><br><br><a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a><br><br><a href="#">How to connect the Remote Touch Display EASY-RTD to the easyE4?</a><br><br><a href="#">How to connect the easyE4 to the touch panel XV-102 for easy? - 5 Steps</a><br><br><a href="#">Handling of the data logger as a ring buffer with the easyE4 using the ST programming language.</a><br><br><a href="#">How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?</a> |
| PRODUCT NOTIFICATIONS     | <a href="#">MZ049014EN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SALES NOTES               | <a href="#">eaton-control-relay-easye4-flyer-fl050007en-us.pdf</a><br><br><a href="#">TT-197220 EASY-E4-DC-16TE1-de_DE</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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