



**Contactor relay, 2N/0+2N/C, AC**

**Part no.** DILAC-22(48V50HZ)  
**Article no.** 276496  
**Catalog No.** XTREC10B22Y

## Design verification as per IEC/EN 61439

|  |            |   |  |
|--|------------|---|--|
| Technical data for design verification   |            |   |  |
| Rated operational current for specified heat dissipation   | $I_n$      | A | 15.5   |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W | 0.5  |
| Equipment heat dissipation, current-dependent  | $P_{vid}$  | W | 0  |
| Static heat dissipation, non-current-dependent   | $P_{vs}$   | W | 1.4  |
| Heat dissipation capacity  | $P_{diss}$ | W | 0  |
| IEC/EN 61439 design verification   |            |   |  |
| 10.2 Strength of materials and parts   |            |   |  |
| 10.2.2 Corrosion resistance  |            |   | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures   |            |   | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |            |   | Meets the product standard's requirements.   |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |            |   | Meets the product standard's requirements.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |            |   | Meets the product standard's requirements.   |
| 10.2.5 Lifting   |            |   | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.6 Mechanical impact   |            |   | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.7 Inscriptions  |            |   | Meets the product standard's requirements.   |
| 10.3 Degree of protection of ASSEMBLIES  |            |   | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.4 Clearances and creepage distances   |            |   | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock   |            |   | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.6 Incorporation of switching devices and components   |            |   | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.7 Internal electrical circuits and connections  |            |   | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors   |            |   | Is the panel builder's responsibility.   |
| 10.9 Insulation properties   |            |   |  |
| 10.9.2 Power-frequency electric strength   |            |   | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage   |            |   | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material   |            |   | Is the panel builder's responsibility.   |
| 10.10 Temperature rise   |            |   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating   |            |   | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility  |            |   | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function  |            |   | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 6.0

|  |  |   |                         |
|--|--|---|-------------------------|
| Low-voltage industrial components (EG000017) / Contactor relay (EC000196)  |  |   |                         |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Contactor relay (ecl@ss8.1-27-37-10-01 [AAB716011]) |  |   |                         |
| Rated control supply voltage $U_s$ at AC 50HZ  |  | V | 48 - 48                 |
| Rated control supply voltage $U_s$ at AC 60HZ  |  | V | 0 - 0                   |
| Rated control supply voltage $U_s$ at DC   |  | V | 0 - 0                   |
| Voltage type for actuating   |  |   | AC                      |
| Rated operation current $I_e$ , 400 V  |  | A | 4                       |
| Connection type auxiliary circuit  |  |   | Spring clamp connection |
| Mounting method  |  |   | DIN-rail/screw          |
| Interface  |  |   | No                      |
| Number of auxiliary contacts as normally closed contact  |  |   | 2                       |
| Number of auxiliary contacts as normally open contact  |  |   | 2                       |

|  |  |    |
|--|--|----|
| Number of auxiliary contacts as normally closed contact, delayed switching |  | 0  |
| Number of auxiliary contacts as normally open contact, leading             |  | 0  |
| With LED indication  |  | No |
| Number of auxiliary contacts as change-over contact                        |  | 0  |
| Manual operation possible  |  | No |

## Approvals

|                                      |  |   |
|--------------------------------------|--|---|
| Product Standards                    |  | IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking |
| UL File No.                          |  | E29184  |
| UL Category Control No.              |  | NKCR  |
| CSA File No.                         |  | 012528  |
| CSA Class No.                        |  | 3211-03   |
| North America Certification          |  | UL listed, CSA certified                                  |
| Specially designed for North America |  | No  |

## Dimensions



