Solid-state relay, 3-phase, 30 A, 42 - 660 V, DC, high fuse protection



Part no. HLR30/3(DC)600V/S 360048

| Pequency rating 45 Hz - 65 Hz Mounting position Mounthor of phases 3 Number of phases 3 Number of philot lights 1 Overvoltage category III Pollution degree 2 Rated impulse withstand voltage (Uimp) 6 Series HLR Shock resistance 15/10 (mount resistance) 15/10 (moun | General specifications | |
|--|---|--|
| FAVOUSE Langth () Gept 1 Product Langth () Gep | Product name | Eaton Moeller series HLR solid state relay |
| Product lamph Depth Product whight Product weight Product weight Product weight Product weight Product weight Product weight Camplanees Carefrications Caref | Part no. | HLR30/3(DC)600V/S |
| Product height Product worth Product worth Product worth Product worth Campliances Camplia | EAN | 4015081998159 |
| Product winth Product weight Compliances Compliances Certifications Certification | Product Length/Depth | 126 millimetre |
| Product veight Compliances Ball's Compliance Certifications Certifications Certifications Certifications Compliances Compliances Compliances Certifications Product Tardename Product Tardename HLR Solid-state relay None Certification Degree of protection Frequency stating Mounted protection Frequency stating Mounted postation Mounted postation Mounted postation Mounted related in specified orientation and do not observed the heatsink Mounted of all clights Certification and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Mounted related in specified orientation and do not observed the heatsink Model related in Specified orientation and do not observed the heatsink Model related in Specified orientation and do not observed the heatsink Model related in Specified orientation and do not observed the heatsink Model related | Product height | 110 millimetre |
| Certifications Certif | Product width | 72 millimetre |
| Certifications Certifications Certifications Product Tradename Product Tradename Product Tradename Product Type Product Sub Type Name Ceneral information Degree of protection Prequency rating Mounting position Number of phases Mounting position Mounting posit | Product weight | 0.78 kilogram |
| Product Tradersame Product Tradersame Product Tradersame Product Sub Type | Compliances | |
| Product Type Product Sub Type Ceneral information Segret of procession Frequency rating AB Hz - 65 Hz Mounted position Mumber of phases 3 Mount device in specified orientation and do not obstruct the heatsink Number of plate lights 1 Overvoltage category III Pollution degree 2 Rated impude withstand voltage (Uimp) 8 AF Kz - 65 Hz Rated impude withstand voltage (Uimp) 8 AF Kz - 65 Hz Shock resistance 1 Syll glms (according to EN 50155, EN 61373) Type 3 Solid-state roley Withaston resistance Voltage type DC Features Fructions Freatures Beletrical connection type for auxiliary- and control-current circuit Beletrical connection type of main circuit Climatic environmental conditions Alitude Ambient storage temperature - min Ambient storage temperature - min Operating temperature - max Climatic profiting Operating temperature - max Climatic profiting Operating temperature - max Climatic profiting Operating temperature - max Bust Impude Bust Impude Bust Impude Bust Impude Contract it Systik PC I (according to IEC/EN 610004-4) Contract it Systik PC I (according to IEC/EN 610004-3) Bust Impude Bust Im | Certifications | CE EAC CCC |
| Product Sub Type Beneral information Degree of protection Frequency rating 45 Hz - 65 Hz Mounting position Mounting position Mounting position Mounting position Number of phases 3 Mumber of pilotic lights 1 0 cencultage category IllI Pollution degree 2 Rated impulses withstand voltage (Uimp) 6 kt/ 11,270 µs) Series Rated simpulse withstand voltage (Uimp) 5 kt/ 12,700 µs) Series Rated simpulse swithstand voltage (Uimp) 5 kt/ 11,270 µs) Series Rated simpulse withstand voltage (Uimp) 6 kt/ 11,270 µs) Series Functions 15/11 g/ms (according to EN 50155, EN 61373) Vibration resistance 2 g/axis (2-100 Hz, IEC 60088-2-8, EN 50155, EN 61373) Voltage type Features & Modular version Functions Functions Functions Functions Functions Functions Filectrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic proving the proving for auxiliary - and control-current circuit Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proving temperature - max Electromagnetic compatibility Air discharge Burst Impulse Adain: 2 kt/s kt/z PC 1 (according to IECEN \$1000-4-2) Electromagnetic folds 10 10 70 70 100 000 Mt/z and 1-4 -2 Gkt/z PC 1 (according to IECEN \$10000-4-3) | Product Tradename | HLR |
| General information Degree of protection P20 Frequency rating 45 ft - 65 ft c Mounting position Mount device in specified orientation and do not obstruct the heatsink Number of pilot lights 1 Overvokage sategory Pollution degree 2 Rated impulse withstand voltage (Ulimp) Series Sheck resistance 15/11 g/ms (according to EN 50155, EN 61373) Fype Solid-sater relay Vibration resistance Nodular version Modular version Serew connection Electrical connection type of main circuit Climatic environmental conditions Alistude Ambient storage temperature - min Anbient storage temperature - min Anbient storage temperature - min Anbient storage temperature - min Operating temperature - min Operating temperature - min Operating temperature - min Andient storage temperature - min Alistude Antient storage temperature - min Andient s | Product Type | Solid-state relay |
| Degree of protection IP20 | Product Sub Type | None |
| Frequency rating Mounting position Mounting position Mount device in specified orientation and do not obstruct the heatsink Number of plates Num | General information | |
| Mounting position Number of phases 3 Number of phases 3 Number of plott lights Overvoltage category Pollution degree Rated impulse withstand voltage (Uimp) Series Shock resistance 15/11 g/ms (according to EN 50155, EN 61373) Type Voltage category Vibration resistance 15/11 g/ms (according to EN 50155, EN 61373) Voltage type Octore Setures Wouldar version Features Functions Features Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Antionst storage temperature - min Operating temperature - mix Operating temperature - mix Operating temperature - mix Auxiliary and companies of the follows - 2 (according to IEC/EN 61000-4-2) Burst Impulse Contract discharge Electromagnetic fields 4 Val (according to IEC/EN 61000-4-3) Electromagnetic fields 4 Val (according to IEC/EN 61000-4-3) Electromagnetic fields | Degree of protection | IP20 |
| Number of phases Number of phises Number of phises Number of phist lights 1 Overvoltage category III Pollution degree 2 Rated impulse withstand voltage (Uimp) Saries HLR Shock resistance 15/11 g/ms (according to EN 50155, EN 61373) Type Solid-state relay Vibration resistance 2 g/axis (2-100 Hz, IEC 60088-2-6, EN 50155, EN 61373) Vibration resistance Voltage type DC Features & Modular version Functions Features Modular version Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - max Operating temperature - max Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 610004-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 610004-2) Electronagnetic fields 10 V/m, 80 - 1000 MHz, and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 610004-2) Electromagnetic fields | Frequency rating | 45 Hz - 65 Hz |
| Number of pilot lights Overvoltage category Pollution degree Rated impulse withstand voltage (Uimp) Series HLR Solid-state relay Vibration resistance Vibration resistance Voltage type OC Features & Functions Features Features Functions Features Lilectrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Altitude Operating temperature - max Altitude Ambient storage temperature - max Ambient storage temperature - max Altitude Ambient storage temperature - max Altitude Ambient storage temperature - | Mounting position | Mount device in specified orientation and do not obstruct the heatsink |
| Deverotage category Pollution degree 2 Rated impulse withstand voltage (Uimp) Series HLR Shock resistance 15/11 g/ms (according to EN 50155, EN 61373) Type Solid-state relay Vibration resistance 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Features & Functions Features & Functions Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - max Climatic proofing Operating temperature - max Altitude Ambient storage temperature - max Electro magnetic compatibility Air discharge Burst Impulse Main: 24V, 5 kHz PC 1 (according to IEC/EN 61000-4-3) Electronagnetic fields 10 V/m, 80 - 1000 WHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) Electronagnetic fields | Number of phases | 3 |
| Pollution degree 2 Rated impulse withstand voltage (Uimp) 6 kV (1.2/50 µs) Series HLR Shock resistance 15/11 g/ms (according to EN 50155, EN 61373) Type Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) Vibration resistance 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) Voltage type 0 CFeatures & Functions Features | Number of pilot lights | 1 |
| Rated impulse withstand voltage (Uimp) Series HLR Shock resistance 15/11 g/ms (according to EN 50155, EN 61373) Type Solid-state relay Vibration resistance 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) OC Features & Functions Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Screw connection Electrical connection type of main circuit Screw connection Climatic environmental conditions Altitude 9 Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing Operating temperature - min Operating temperature - min Operating temperature - min Operating temperature - min 40 °C Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Overvoltage category | III |
| Series Shock resistance Shock resistance Shock resistance Type Solid-state relay Vibration resistance Z g/axis (2-100 Hz, IEC 60088-2-6, EN 50155, EN 61373) Voltage type DC Features & Functions Features Functions Features Suitching at zero-crossing Electrical connection type for auxiliary- and control-current circuit Screw connection Electrical connection type of main circuit Screw connection Climatic environmental conditions Altitude 9 Ambient storage temperature - min Ambient storage temperature - max Uperating temperature - max Uperating temperature - max Solid-state humidity non-condensing at 40°C Uperating temperature - max Bolis Contact is connection Uperating temperature - max Solid-state proofing Solid-state relay | Pollution degree | 2 |
| Shock resistance Type Solid-state relay Vibration resistance Voltage type DC Features & Functions Features & Functions Fluctions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - max Climatic proofing Operating temperature - max Better or auxiliary Air discharge Burst Impulse Contact discharge Electromagnetic fields 15/11 g/ms (according to EN 50155, EN 61373) Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC Contact discharge Solid-state relay Solid- | Rated impulse withstand voltage (Uimp) | 6 kV (1.2/50 μs) |
| Type Solid-state relay Vibration resistance Voltage type DC Features & Functions Features Modular version Switching at zero-crossing Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - max Electro agnetic compatibility Air discharge Burst Impulse Contact discharge Electromagnetic fields Solid-state relay 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) DC COC Contact discharge Switching at zero-crossing Switching at zero-crossing Screw connection Screw connection Screw connection 9 40 °C C C C C C C C C C C C C | Series | HLR |
| Vibration resistance 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) Voltage type DC Features & Functions Features & Functions Features (Modular version) Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing Operating temperature - min Questing temperature - min Questing temperature - min Questing temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-3) Electromagnetic fields | Shock resistance | 15/11 g/ms (according to EN 50155, EN 61373) |
| Voltage type DC Features & Functions Features & Functions Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Burst Impulse Contact discharge 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) EleC/EN 61000-4-3) Electromagnetic fields | Туре | Solid-state relay |
| Features & Functions Features Modular version Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Contact discharge Electromagnetic fields Modular version Switching at zero-crossing Screw connection Screw connection Screw connection Screw connection Screw connection 99 40 °C | Vibration resistance | 2 g/axis (2-100 Hz, IEC 60068-2-6, EN 50155, EN 61373) |
| Features Functions Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude 9 Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Contact discharge Electromagnetic fields Modular version Switching at zero-crossing Screw connection Screw connection 9 40 °C 9 40 °C 95% relative humidity non-condensing at 40°C 40 °C 80 °C 80 °C Flectromagnetic compatibility Air discharge Burst Impulse Air discharge AkV (according to IEC/EN 61000-4-2) Electromagnetic fields AkV (according to IEC/EN 61000-4-2) Electromagnetic fields | Voltage type | DC |
| Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Contact discharge Electromagnetic fields Sortew connection Screw | Features & Functions | |
| Electrical connection type for auxiliary- and control-current circuit Electrical connection type of main circuit Climatic environmental conditions Altitude 9 Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing 95% relative humidity non-condensing at 40°C Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Features | Modular version |
| Electrical connection type of main circuit Climatic environmental conditions Altitude Ambient storage temperature - min Ambient storage temperature - max Climatic proofing Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Contact discharge Electromagnetic fields Screw connection 9 Screw connection 9 40 °C 40 °C 40 °C 8 kV (according to IEC/EN 61000-4-2) Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields | Functions | Switching at zero-crossing |
| Altitude 9 Ambient storage temperature - min -40 °C Ambient storage temperature - max 100 °C Climatic proofing 95% relative humidity non-condensing at 40°C Operating temperature - min -40 °C Operating temperature - min -40 °C Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Electrical connection type for auxiliary- and control-current circuit | Screw connection |
| Altitude Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing Operating temperature - min Operating temperature - min Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electro magnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Electrical connection type of main circuit | Screw connection |
| Altitude Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing Operating temperature - min Operating temperature - min Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electro magnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Climatic environmental conditions | |
| Ambient storage temperature - min Ambient storage temperature - max 100 °C Climatic proofing 95% relative humidity non-condensing at 40°C Operating temperature - min -40 °C Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse 8 kV (according to IEC/EN 61000-4-2) Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Altitude | 9 |
| Ambient storage temperature - max Climatic proofing 95% relative humidity non-condensing at 40°C -40 °C Operating temperature - min 80 °C Electro magnetic compatibility Air discharge Burst Impulse Burst Impulse Contact discharge Electromagnetic fields 100 °C -40 °C -40 °C Main: 2 kV (according to IEC/EN 61000-4-2) Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | | |
| Climatic proofing 95% relative humidity non-condensing at 40°C Operating temperature - min -40 °C Operating temperature - max 80 °C Electro magnetic compatibility Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Contact discharge AkV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | | |
| Operating temperature - min Operating temperature - max 80 °C Electro magnetic compatibility Air discharge 8 kV (according to IEC/EN 61000-4-2) Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | | |
| Operating temperature - max 80 °C Electro magnetic compatibility Air discharge 8 kV (according to IEC/EN 61000-4-2) Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | | |
| Air discharge Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Contact discharge 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | | |
| Burst Impulse Main: 2 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Contact discharge 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Electro magnetic compatibility | |
| Control: 1 kV, 5 kHz PC 1 (according to IEC/EN 61000-4-4) Contact discharge 4 kV (according to IEC/EN 61000-4-2) Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Air discharge | 8 kV (according to IEC/EN 61000-4-2) |
| Electromagnetic fields 10 V/m, 80 - 1000 MHz and 1.4 - 2.0 GHz, PC 1 (according to IEC/EN 61000-4-3) | Burst Impulse | |
| | Contact discharge | 4 kV (according to IEC/EN 61000-4-2) |
| | Electromagnetic fields | |

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| to be evaluated. |
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| 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. |
| 10.9.2 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 8.0

| Relays (EG000019) / Solid state relay (EC002055) | | | | | |
|---|--|---|----------|--|--|
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Solid state relay (ecl@ss10.0.1-27-37-10-14 [ACN970011]) | | | | | |
| Rated control supply voltage Us at AC 50HZ | | V | 0 - 0 | | |
| Rated control supply voltage Us at AC 60HZ | | V | 0 - 0 | | |
| Rated control supply voltage Us at DC | | V | 5 - 32 | | |
| Voltage type for actuating | | | DC | | |
| Operating voltage | | V | 42 - 660 | | |
| Rated operation current le at AC-1 | | Α | 0 | | |
| Rated operation current le at AC-3 | | Α | 0 | | |
| Rated operation current le at AC-51 | | Α | 30 | | |
| Rated operation current le at AC-53a | | Α | 14 | | |
| Rated operation current le at AC-53b | | Α | 0 | | |
| Number of phases | | | 3 | | |
| Modular version | | | Yes | | |
| Switching at zero-crossing | | | Yes | | |