

Eaton 199459

Eaton Moeller® series DILM Auxiliary contact module, 4 pole, Ith= 16 A, 3 N/O, 1 NC, Front fixing, Push in terminals, DILA, DILM7 - DILM15

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| PRODUCT NAME | Eaton Moeller® series DILM auxiliary contact module |
| CATALOG NUMBER | 199459 |
| PRODUCT LENGTH/DEPTH | 54 mm |
| PRODUCT HEIGHT | 38 mm |
| PRODUCT WIDTH | 36 mm |
| PRODUCT WEIGHT | 0.051 kg |
| CERTIFICATIONS | IEC/EN 60947 VDE 0660 CSA File No.: 012528 CSA Class No.: 3211-03 UL File No.: E29184 UL 508 CSA-C22.2 No. 14-05 CE marking UL CSA UL Category Control No.: NKCR |
| CATALOG NOTES | Rated operational current: Switch-on and switch-off conditions based on DC-13, time constant as specified. Auxiliary contacts used as mirror contacts according to IEC/EN 60947-4-1 Appendix F (not N/C late open) |

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| TYPE | Front mounting auxiliary contact |
| FEATURES | Interlocked opposing contacts within an auxiliary contact module (according to IEC 60947-5-1 Annex L) |
| ELECTRIC CONNECTION TYPE | Push-in connection |
| FITTED WITH: | Interlocked opposing contacts |
| POLLUTION DEGREE | 3 |
| CLIMATIC PROOFING | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| AMBIENT OPERATING TEMPERATURE - MAX | 60 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX | 40 °C |
| AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN | -25 °C |
| AMBIENT STORAGE TEMPERATURE - MAX | 80 °C |
| AMBIENT STORAGE TEMPERATURE - MIN | -40 °C |
| CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN) | 16 A |
| CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN) | 0.16 A |
| NUMBER OF CONTACTS (CHANGE-OVER CONTACTS) | 0 |
| NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) | 1 |
| NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) | 3 |
| NUMBER OF SWITCHES (FAULT SIGNAL) | 0 |

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| MCAD MODEL | eaton-contact-blocks-mcad-3d-models-dil-a-xhi-4-pi.stp dil_a_xhi_4_pi.dwg |
| | eaton-contactors-dimensions-007.eps |

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| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 6000 V AC |
| MOUNTING METHOD | Front fastening |
| CONNECTION | Push in terminals |
| OVERVOLTAGE CATEGORY | III |
| CONTROL CIRCUIT RELIABILITY | $\lambda < 5 \times 1/10^7$ (1 failure at 2,000,000 operations for $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA) |
| DEGREE OF PROTECTION | IP20 |
| MODEL | Top mounting |
| LAMP HOLDER | None |
| FUNCTIONS | For standard applications |
| SAFE ISOLATION | 400 V AC, Between coil and auxiliary contacts, According to EN 61140 400 V AC, Between auxiliary contacts, According to EN 61140 |
| RATED OPERATIONAL CURRENT (IE) | 1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in series) 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in series) |
| LIFESPAN, ELECTRICAL | 1,300,000 Operations (at 230 V, AC-15, 3 A) |
| TERMINAL CAPACITY (FLEXIBLE WITH UNISOLATED FERRULE) | 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ² |
| TERMINAL CAPACITY (FLEXIBLE WITH ULTRASONIC WELDED CABLE END) | 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ² |
| SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE) | 10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA) |
| SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY) | A600, AC operated (UL/CSA) P300, DC operated (UL/CSA) |
| LIFESPAN, MECHANICAL | 10,000,000 Operations (AC operated) |

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| | 10,000,000 Operations (DC operated) |
| PROTECTION | Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) |
| NUMBER OF POLES | Four-pole |
| SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING | 10 A gG/gL, 500 V, Max. Fuse, Contacts |
| RATED INSULATION VOLTAGE (UI) | 690 V |
| RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V | 4 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V | 4 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V | 1.5 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V | 0.5 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V | 0.25 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V | 2.5 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V | 1 A |
| RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX | 500 V |
| TERMINAL CAPACITY (FLEXIBLE WITH FERRULE) | 1 x (0.5 - 1.5) mm ² 2 x (0.5 - 1.5) mm ² |
| TERMINAL CAPACITY (SOLID) | 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ² |
| TERMINAL CAPACITY (SOLID/STRANDED AWG) | 20 - 14 |
| TERMINAL CAPACITY (FLEXIBLE) | 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ² |
| SHOCK RESISTANCE | 7 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to |

IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
5 g, N/C auxiliary contact,
Basic unit with auxiliary
contact module,
Mechanical, according to
IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

:



Eaton House
30 Pembroke Road
Dublin 4,
Eaton.com

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