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Worldwide English

DILM32-XTED11-100(RAC240) - Timer module, 200-240VAC, 5-100s, off-delayed

104948 DILM32-XTED11-100(RAC240)

104948 DILM32-XTED11-100(RAC240)

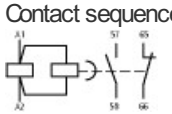
Timer module, 200-240VAC, 5-100s, off-delayed

Alternate Catalog No.	XTCEXTED100C11B
EL-Nummer (Norway)	4130418

Timer module, Off-delayed, auxiliary voltage-free, Cannot be combined with top mounting auxiliary contacts, Incl. suppressor circuits, Product range: Accessories, Time range: 5 - 100 s, Mounting position: As required, except suspended, Degree of Protection: IP20, Weight: 0.08 kg, For use with: DILM7 - DILM38, DILMP20, DILMP32-DILMP45, DILA, DILMF7, DILMF11, DILMF14, DILMF25, DILMF32, Standards DIN EN 61812, IEC/EN 60947, VDE 0660, UL, CSA

Delivery program

Product range
Accessories
Accessories
Timer modules
Description
Off-delayed, auxiliary voltage-free
Cannot be combined with top mounting auxiliary contacts
Incl. suppressor circuits
U_S
200 - 240 V AC 50/60 Hz
Time range
5 - 100 s
For use with
DILM7 - DILM38
DILMP20
DILMP32-DILMP45
DILA
DILMF7
DILMF11
DILMF14
DILMF25
DILMF32
Contact sequence



Technical data

General
Standards
DIN EN 61812, IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical AC operated [Operations]
3 x 10^6
Lifespan, mechanical DC operated [Operations]
3 x 10^6
Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature Open
-25 - +60 °C
Ambient temperature Enclosed
- 25 - 40 °C
Ambient temperature Storage
- 40 - 80 °C
Mounting position
As required, except suspended
Mechanical shock resistance (IEC/EN 60068-2-27) Half-sinusoidal shock, 10 ms N/O contact
6 g
Mechanical shock resistance (IEC/EN 60068-2-27) Half-sinusoidal shock, 10 ms N/C contact
6 g
Degree of Protection
IP20
Protection against direct contact when actuated from front (EN 50274)
Finger and back-of-hand proof
Weight
0.08 kg
Terminal capacities Solid
1 x (0.75 - 2.5)
2 x (0.75 - 1.5) mm^2
Terminal capacities Flexible with ferrule
1 x (0.75 - 1.5)
2 x (0.75 - 1.5) mm^2
Terminal capacities Solid or stranded
18 - 14 AWG
Terminal screw
M3.5
Pozidriv screwdriver
2 Size
Standard screwdriver
0.8 x 5.5
1 x 6 mm
Max. tightening torque
1.2 Nm
Contacts
Rated impulse withstand voltage [U_{imp}]
4000 V AC
Overvoltage category/pollution degree
III/3
Rated insulation voltage [U_i]
250 V AC
Rated operational voltage [U_e]
250 V
Rated operational current [I_e] AC-15 220 V 230 V 240 V [I_e]
3 A
Rated operational current [I_e] DC-13 DC-13 L/R - 15 ms Contacts in series: 1 [24 V]
1 A
Rated operational current [I_e] DC-13 DC-13 L/R - 15 ms Contacts in series: 1 [60 V]
0.2 A
Rated operational current [I_e] DC-13 DC-13 L/R - 15 ms Contacts in series: 1 [110 V]
0.2 A
Rated operational current [I_e] DC-13 DC-13 L/R - 15 ms Contacts in series: 1 [220 V]
0.1 A
Rated operational current [I_e] DC-13 DC L/R □ 50 ms Contacts in series: 1 [24 V]
1 A
Rated operational current [I_e] DC-13 DC L/R □ 50 ms Contacts in series: 1 [60 V]
0.2 A
Rated operational current [I_e] DC-13 DC L/R □ 50 ms Contacts in series: 1 [110 V]

0.2 A
Rated operational current [I_e] DC-13 DC L/R □ 50 msContacts in series:1 [220 V]
0.1 A
Rated operational current [I_e] DC-13 DC-13 L/R - 300 msContacts in series:1 [24 V]
1 A
Rated operational current [I_e] DC-13 DC-13 L/R - 300 msContacts in series:1 [60 V]
0.2 A
Rated operational current [I_e] DC-13 DC-13 L/R - 300 msContacts in series:1 [110 V]
0.2 A
Rated operational current [I_e] DC-13 DC-13 L/R - 300 msContacts in series:1 [220 V]
0.1 A
Safe isolation to EN 61140between coil and auxiliary contacts
250 V AC
Safe isolation to EN 61140between the auxiliary contacts
250 V AC
Conventional thermal current [I_{th}]
4 A
Short-circuit rating without weldingmax. fuse
4 A gG/gL
Magnet systems
Voltage toleranceFick-up voltageAC operated [Fick-up]
0.85 - 1.1 x U_c
Voltage toleranceFick-up voltageDC operated [Fick-up] [Fick-up]
0.7 - 1.2 x U_c
Power consumption60 °C [Sealing]
2 VA
Power consumptionAC operated [Sealing]
1.8 W
duty factor
100 % DF
Maximum operating frequencyMax. operating frequency
3600 Ops/h
Maximum operating frequencyCan be combined with auxiliary contact
360 Ops./h
Conventional thermal current I_{th} = I_e AC-1On-delayed
< 50 ms
Conventional thermal current I_{th} = I_e AC-1Off-delayed
< 200 ms
AC operated 50 Hz [Deviation]
< 5 %
Recovery time (after 100% time delay)
70 ms
contact changeover timeDILM32-XTEE11/DILM32-XTED11 [t_u]
10 ms
contact changeover timeDILM32-XTEY20 [t_u]
50 ms
Notes
Notes
For rated operational current: Making and breaking conditions to DC-13, L/R constant as stated
Max. fuses for short-circuit protection: Transparent overlay "Fuses" for time/current characteristics (please enquire)
For pick-up voltage, DC operated:Pure DC, AC bridge rectifier or smoothed double-wave rectification.
Rating data for approved types
Auxiliary contactsPilot DutyAC operated
B300
Auxiliary contactsPilot DutyDC operated
R300
Auxiliary contactsGeneral UseAC
240 V
Auxiliary contactsGeneral UseAC
5 A
Auxiliary contactsGeneral UseDC
24 V
Auxiliary contactsGeneral UseDC
5 A
Short Circuit Current RatingBasic RatingSCCR
5 kA
Short Circuit Current RatingBasic Ratingmax. Fuse
125 A
Short Circuit Current RatingBasic Ratingmax. CB

125 A
Short Circuit Current Rating480 V High FaultSCCR (fuse)
10/100 kA
Short Circuit Current Rating480 V High Faultmax. Fuse
125/70 Class J A
Short Circuit Current Rating480 V High FaultSCCR (CB)
10/65 kA
Short Circuit Current Rating480 V High Faultmax. CB
50/32 A
Short Circuit Current Rating600 V High FaultSCCR (fuse)
10/100 kA
Short Circuit Current Rating600 V High Faultmax. Fuse
125/125 Class J A
Short Circuit Current Rating600 V High FaultSCCR (CB)
10/22 kA
Short Circuit Current Rating600 V High Faultmax. CB
50/32 A

Design verification as per IEC/EN 61439

Technical data for design verification
Rated operational current for specified heat dissipation [I_n]
0 A
Heat dissipation per pole, current-dependent [P_{vid}]
0 W
Equipment heat dissipation, current-dependent [P_{vid}]
0 W
Static heat dissipation, non-current-dependent [P_{vs}]
1.8 W
Heat dissipation capacity [P_{diss}]
0 W
Operating ambient temperature min.
-25 °C
Operating ambient temperature max.
+60 °C
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.

10.9 Insulation properties10.9.4 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.

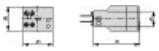
Technical data ETIM 7.0

Relays (EG000019) / Timer block (EC002060)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Timer block attachment (ecl@ss10.0.1-27-37-13-08 [ACN996011])
Switching function
Time-delay dropped out
Setting time
5 - 100 s
Number of contacts as normally open contact
1
Number of contacts as normally closed contact
1
Number of contacts as change-over contact
0
Operating principle
Electronic

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

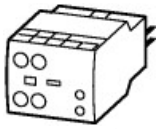
Dimensions



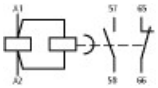
Additional product information

- Motor starters and "Special Purpose Ratings" for the North American market
  (PDF)
- Switchgear of Power Factor Correction Systems
  (PDF)
- X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely
  (PDF)
- Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions
  (PDF)
- Effect of the Cabel Capacitance of Long Control Cables on the Actuation of Contactors
  (PDF)
- Switchgear for Luminaires
  (PDF)
- Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts
  (PDF)
- The Interaction of Contactors with PLCs
  (PDF)
- Busbar Component Adapters for modern Industrial control panels
  (PDF)

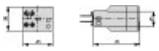
3D drawing

- 
  2527DRW-1
  Line drawing
  Electronic timer module, electronic timer

Wiring diagram

- 
  2527SWI-2
  Line drawing
  Electronic timer module, Off-delayed

Dimensions single product

- 
  2527DIM-1
  Line drawing
  Electronic timer module

Product photo

- 
  2110PIC-206
  Photo

Declaration of Conformity

EU

- Electronic timer module (DA-DC-00003907)
  Asset
  (PDF)

Instruction Leaflet

- DILM32-XTE.., XTCEXTE.. Electronical timers (IL04910004Z)
  Asset
  former AWA2527-2320, Pub51248
  (PDF, 07/2021, multilingual)

Standards

- 000Z153
  Logo
  xStart logo

CAD data

edz files

- DA-CE-ETN.DILM32-XTED11-100(RAC240)
  File
  (Web)

Download-Center

- Download-Center (this item)
  Eaton EMEA Download-Center - download data for this item
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