## DATASHEET - DILM32-XTED11-100(RAC240)

Part no.

(Norway)

No.



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



DILM32-XTED11-100(RAC240) Catalog No. 104948 Alternate Catalog XTCEXTED100C11B **EL-Nummer** 4130418

#### **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 <sub>S</sub>	200 - 240 V AC 50/60 Hz
Time range	5 - 100 s
For use with	DILM7 - DILM38 DILMP20 DILMP32-DILMP45 DILA DILMF7 DILMF7 DILMF11 DILMF14 DILMF25 DILMF32
Contact sequence	$ \begin{array}{c} A_1 \\ \hline \\ A_2 \\ A_2 \end{array} \xrightarrow{57} - \begin{array}{c} 65 \\ - \\ 66 \end{array} \end{array} $

### **Technical data**

General			
Standards			DIN EN 61812, IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	x 10 <sup>6</sup>	3
DC operated	Operations	x 10 <sup>6</sup>	3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 40
Storage		°C	- 40 - 80
Mounting position			As required, except suspended
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 10 ms			
N/O contact		g	6
N/C contact		g	6
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Weight		kg	0.08
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Solid or stranded		AWG	18 - 14
Terminal screw			M3.5
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6

Max. tightening torque		Nm	1.2
Contacts		NIII	1.2
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	4000
Overvoltage category/pollution degree			111/3
Rated insulation voltage	Ui	V AC	250
Rated operational voltage	U <sub>e</sub>	V	250
Rated operational current	le	A	
AC-15	'e	~	
220 V 230 V 240 V	1	A	3
DC-13	le	~	
DC-13 L/R - 15 ms			
Contacts in series:		A	
1	24 V	A	1
1	24 V 60 V	A	0.2
1	110 V	A	0.2
1	220 V	A	0.1
' DC L/R ≦ 50 ms	220 V	~	
Contacts in series:		A	
1	24 V	A	1
1	60 V	A	0.2
1	110 V	A	0.2
1	220 V	A	0.1
DC-13 L/R - 300 ms	220 V	~	
Contacts in series:		A	
1	24 V	A	1
1	60 V	A	0.2
1	110 V	A	0.2
1	220 V	A	0.1
Safe isolation to EN 61140			
between coil and auxiliary contacts		V AC	250
between the auxiliary contacts		V AC	250
Conventional thermal current	I <sub>th</sub>	A	4
Short-circuit rating without welding			
max. fuse		A gG/gL	4
Magnet systems			
Voltage tolerance			
Pick-up voltage		x U <sub>s</sub>	
AC operated		V AC	
	Pick-up	x U <sub>c</sub>	0.85 - 1.1
DC operated	Pick-up	x U <sub>c</sub>	
	Pick-up	x U <sub>c</sub>	0.7 - 1.2
Power consumption		Ū	
60 °C	Sealing	VA	2
AC operated	Sealing	W	1.8
duty factor	5	% DF	100
Maximum operating frequency		Ops./h	
Max. operating frequency		Ops/h	3600
Can be combined with auxiliary contact		Ops./h	360
Conventional thermal current $I_{th} = I_e AC-1$			
On-delayed		ms	< 50
Off-delayed		ms	< 200
AC operated 50 Hz	Deviation	%	<5
Recovery time (after 100% time delay)		ms	70
contact changeover time			
DILM32-XTEE11/DILM32-XTED11	t <sub>u</sub>	ms	10
	٠u		-

DILM32-XTEY20	t <sub>u</sub>	ms	50
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

Audiay contactsImage: set of the set of t			
A C operatedB00D C operatedR00General UseR00A CVA CVA CAD CAD CAD CAD CAD CABasic RatingCCRMax. FuseAA BOV High FaultYS CR (Kuso)AS CR (Kuso)AMax. FuseAM C CRAS CR (Kuso)AMax. FuseAM C CR (Kuso)AM C CR (Kuso)A<	Auxiliary contacts		
DC operatedB00General UseMMACV240ACACSDCV4DCV4DCACSShort Circuit Current RatingMCBaic RatingMSSCCRMSMax. FuseMSAgo Vilgh FaultMSSCCR (fuse)MASCCR (fus	Pilot Duty		
General UseImage: sevent s	AC operated		B300
ACY40ACA5DCV4DCA5Short Circuit Current RatingA5Basic RatingSCCRA5max. FuseA12ABOV High FaultSCCR (use)A100max. FuseA100GCCR (Use)A100max. GRA100Max. FuseA100GCCR (Use)A100Max. GRA100Max. GRA100 <td< td=""><td>DC operated</td><td></td><td>R300</td></td<>	DC operated		R300
ACA5DCV2DCA5Short Circuit Current RatingAABasic RatingK4SCCRA5max. FuseA25ABOV High FaultA125SCCR (fuse)A100SCCR (fuse)A100max. FuseA100SCCR (fuse)A100max. CBA100SCCR (fuse)A100SCCR (fuse)A100max. CBA100SCCR (fuse)A100max. CBA100SCCR (fuse)A100SCCR (Fuse)A100AA100AA100AA100AA100AA100AA100AA100AA100AA100AA100AA100<	General Use		
DCV4DCA5Shor Grout Current RatingCCBasic RatingCCSCCRCSmax. FuseCSmax. CBCCMax. FuseCSSCCR (fuse)CSmax. CBCSmax. CBCSmax. CBCSmax. CBCSMax. CBCSSCCR (fuse)CSmax. CBCSGOU High FaultCSSCCR (fuse)CSmax. CBCSMax. CBCSMax. CBCSSCCR (fuse)ASMax. CBCSSCCR (fuse)ASMax. GBCSSCCR (fuse)ASMax. CBASSCCR (fuse)ASMax. CBASSCCR (fuse)ASMax. CBASMax. CBAS<	AC	V	240
DC       A       A       A         Short Circuit Current Rating       SCR	AC	A	5
Short Circuit Current Rating         SCCR           Basic Rating	DC	V	24
Basic RatingImage: CCRImage: CCR <td>DC</td> <td>A</td> <td>5</td>	DC	A	5
SCCRKA5max.FuseA125max.CBA125480 V High FaultV-SCCR (fuse)KA1010max.FuseA12570 Class JSCCR (CB)A1065max.CBA50/32600 V High Fault-SCCR (fuse)A1010max.FuseA10/10SCCR (fuse)A10/10SCCR (fuse)A10/10SCCR (fuse)A10/10SCCR (fuse)A10/10SCCR (CB)A10/10SCCR (CB)A10/10SCCR (CB)A10/10SCCR (CB)A10/10SCCR (CB)A10/10	Short Circuit Current Rating	SCCR	
max.FuseA15max.CBL15480 V High FaultV-SCCR (fuse)KA1/100max.FuseKA1/57 Class JSCCR (CB)KA1/65max.CBC-SCCR (fuse)KA1/100SCCR (fuse)KA1/100SCCR (fuse)KA1/100SCCR (fuse)KA1/100SCCR (fuse)KA1/100max.FuseKA1/100SCCR (GB)KA1/100Max.FuseKA1/100Max.FuseKA1/100SCCR (CB)KA1/100SCCR (	Basic Rating		
max.CB125480 V High FaultVSCCR (fuse)KAMax. Fuse0/100SCCR (CB)KAMax.CB0/65SCCR (fuse)ASCCR (fuse)KASCCR (fuse)KASCCR (fuse)MASCCR (fuse)KASCCR (fuse)KASCCR (CB)MASCCR (fuse)KASCCR (CB)IntoSCCR (CB)KASCCR (CB)KASCCR (CB)KASCCR (CB)KASCCR (CB)KASCCR (CB)KASCCR (CB)KA	SCCR	kA	5
480 V High FaultImage: CR (fuse)Image: CR (fuse)Image: CR (CB)Image: CR (CB)Image: CR (CB)Image: CR (CB)Image: CR (CB)Image: CR (fuse)Image: CR (fuse	max. Fuse	A	125
SCCR (fuse)kA1/100max. FuseA12/70 Class JSCCR (CB)KA1/65max. CBA5/32600 V High FaultVVSCCR (fuse)A1/100max. FuseA12/125 Class JSCCR (CB)KA1/22	max. CB	A	125
max.FuseA125/70 Class JSCCR (CB)KA10/65max.CBA50/32600 V High FaultSCCR (fuse)A10/10max.FuseA125/125 Class JSCCR (CB)KA10/22	480 V High Fault		
SCCR (CB)kA10/65max. CBA5/32600 V High FaultSCCR (fuse)A10/10max. FuseA12/125 Class JSCCR (CB)A10/22	SCCR (fuse)	kA	10/100
max. CBA50/32600 V High FaultSCCR (fuse)max. FuseA10/102SCCR (CB)KA10/22	max. Fuse	A	125/70 Class J
600 V High Fault     Image: Comparison of the sector of the	SCCR (CB)	kA	10/65
SCCR (fuse)kA10/100max. FuseA125/125 Class JSCCR (CB)kA10/22	max. CB	A	50/32
max. FuseA125/125 Class JSCCR (CB)kA10/22	600 V High Fault		
SCCR (CB) kA 10/22	SCCR (fuse)	kA	10/100
		A	125/125 Class J
max. CB A 50/32	SCCR (CB)	kA	10/22
	max. CB	A	50/32

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	А	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	1.8
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
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.

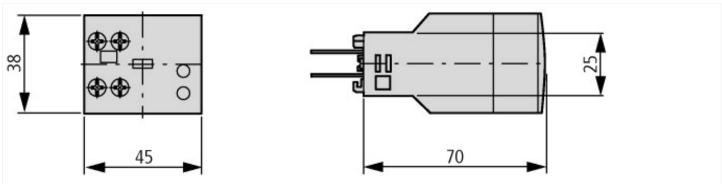
# **Technical data ETIM 7.0**

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	S	5 - 100
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



# Assets (links)

Declaration of CE Conformity
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Instruction Leaflets IL04910004Z2018\_05