



TIMING RELAY

Part no.

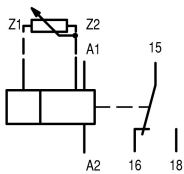
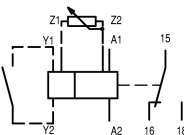
DILET70-A

Article no.

048893

multifunctional with remote potentiometer

Delivery programme

Product range			DILET timing relays
Basic function			Timer relays
Function			Multi-functional On-delayed Off-delayed Fleeting contact on energization Fleeting contact on de-energization Flashing, pulse initiating On- and Off-delayed Pulse forming Pulse generating
			with connection for potentiometer
Number of changeover contacts			1
Time range			0.05 s - 60 h
Time range			0.15 - 3 s 0.5 - 10 s 3 - 60 s 0.15 - 3 min 0.5 - 10 min 3 - 60 min 0.15 - 3 h 0.5 - 10 h 3 - 60 h
Rated operational current			
AC-11			
230 V	I_e	A	3
400 V	I_e	A	3
AC-15			
220 V 230 V 240 V	I_e	A	3
Voltage range	U_{LN}	V	24 - 240 V AC, 50/60 Hz 24 - 240 V DC
Width		mm	45
Conventional thermal current	I_{th}	A	6
 Terminal marking according to EN 50042			
 Terminal marking according to EN 50042			

Approvals

Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 61812-1; IEC/EN 60947-5-1; UL 508; CSA-22.2 No. 14-05; CE marking
E29184
NKCR, NKCR7
12528
3211-03
UL listed, CSA certified
IEC: IP20, UL/CSA Type: -

General

Standards			Standard IEC/EN 61812 VDE 0435
Lifespan, mechanical			

AC operated	Operations	x 10 ⁶	30
DC operated	Operations	x 10 ⁶	30
Climatic proofing			Damp heat, constant to IEC 60068-2-78 Damp heat, cyclic to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 20 - 60
Enclosed		°C	- 20 - 45
Mounting position			As required
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 20 ms		g	
Make contact		g	4
Degree of protection			
Terminals			IP20
Weight		kg	0.09
Terminal capacities		mm ²	
Solid		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Solid or stranded		AWG	1 x (18 - 14)

Contacts

Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			III/2
Rated insulation voltage	U _i	V AC	600
Rated operational voltage	U _e	V AC	440
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between coil and auxiliary contacts		V AC	250
between the auxiliary contacts		V AC	250
Making capacity			
AC-14 cos φ = 0.3 400 V		A	48
AC-15 cos φ = 0.3 220 V		A	50
DC-11 L/R - 40 ms		x I _e	1.1
Breaking capacity			
AC-14 cos φ = 0.3 440 V		A	3
AC-15 cos φ = 0.3 220 V		A	3
DC-11 L/R - 40 ms		x I _e	1.1
Rated operational current	I _e	A	
AC--14			
440 V	I _e	A	3
AC-15			
220 V 230 V 240 V	I _e	A	3
DC-11			
Note			Making and breaking conditions to DC13, time constant as stated
L/R max. 15 ms		A	
24 V	I _e	A	1.5
L/R max. 50 ms		A	1.2
Conv. thermal current	I _{th}	A	6
Short-circuit rating without welding			
Note			When supplied directly from mains or transformer > 1000 VA
Max. fuse, make contacts		A gG/ gL	6

Max. fuse, break contacts		A gG/ gL	6
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Magnet systems

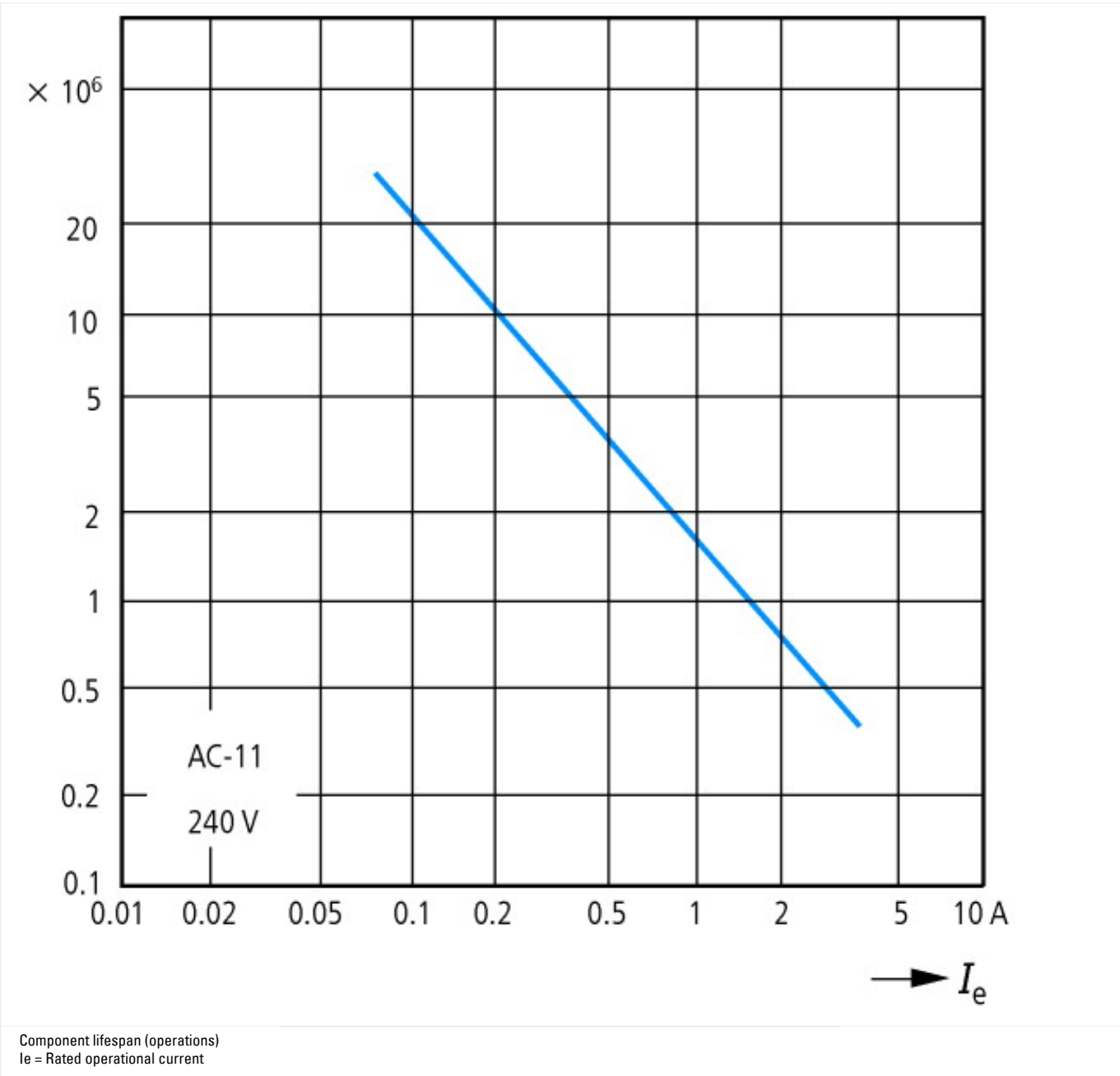
Rated operational voltage	U _e	V	
AC			24 - 240
DC			24 - 240
Voltage tolerance		x U _c	
Pick-up voltage		x U _s	
Min. pick-up voltage, AC operated		x U _c	0.85
Pick-up voltage AC operated, max.		x U _c	1.1
Pick-up voltage DC operated, min.		x U _c	0.7
Max. pick-up voltage, DC operated		x U _c	1.1
Power consumption			
Pick-up AC		VA	2
Sealing AC		VA	2
Pick-up DC		W	1.8
Sealing DC		W	1.8
Duty factor		% DF	100
Maximum operating frequency		Ops/ h	4000
Minimum command time			
AC		ms	50
DC		ms	30
Repetition accuracy (deviation)		%	 0.5
Recovery time (after 100% time delay)		ms	70

Technical data ETIM 4.0

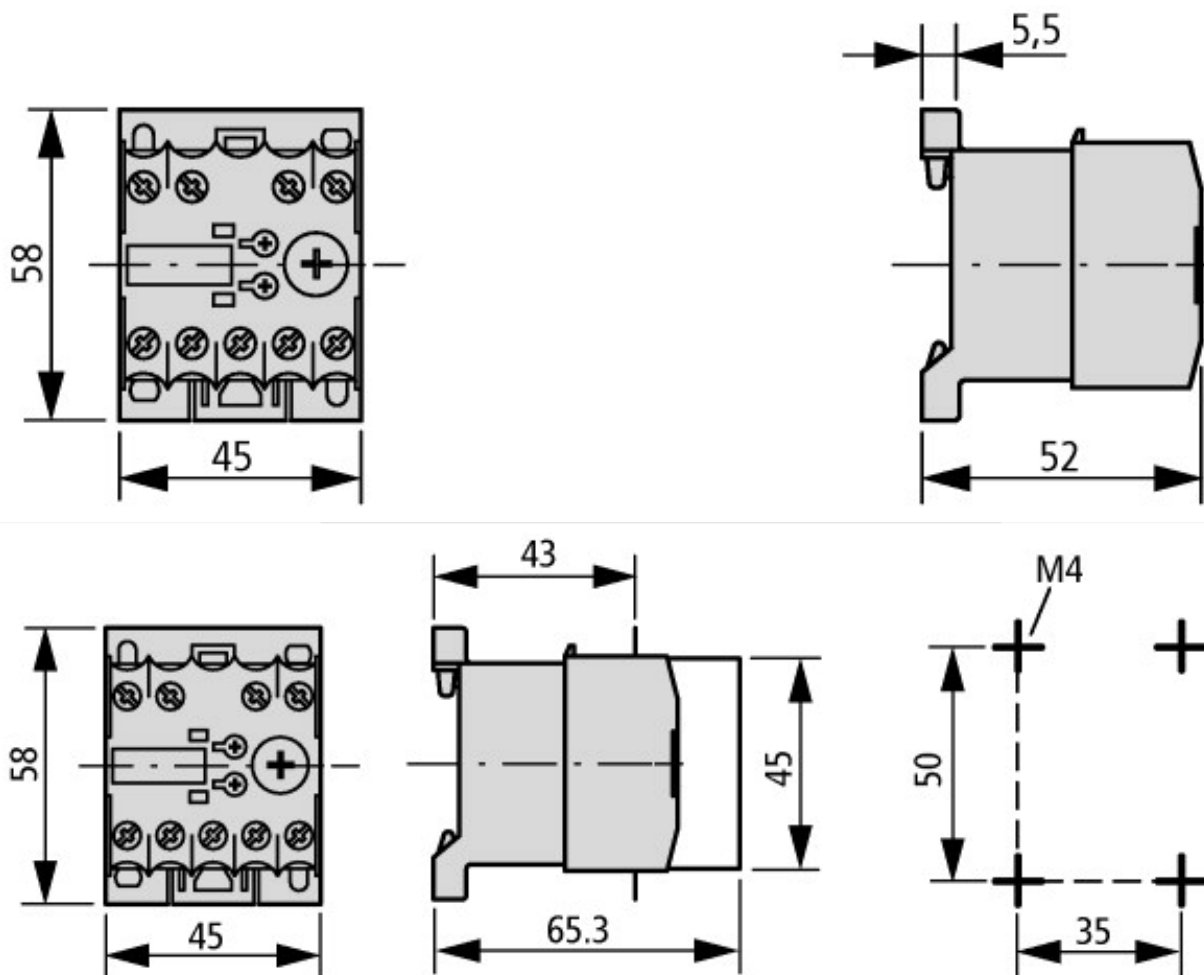
Number of outputs, delayed, N/O			0
Remote access possible			YES
Number of outputs, non-delayed, N/O			0
Function off-delayed			YES
Outputs, reversible delayed/non-delayed			YES
Type of electric connection			Screw connection
Number of outputs, non-delayed, N/C			0
Rated control voltage U _s at DC		V	240
Clock function, starting with pulse, variable			YES
Voltage type for actuation			AC/DC
Function flashing, starting with pulse, fixed time			YES
Function pulse shaping			YES
Rated control voltage U _s at AC 50HZ		V	240
Time range		s	216000
Number of outputs, non-delayed, change-over contact			1
With semi-conductor output			No
Suitable only for remote control			No
Function flashing starting with pause, fixed time			YES
Plug-in type on auxiliary contact block			No
Width		mm	45
With plug-in socket			No
Function fleeting contact on energization			YES
Function star/delta			No
Rated control voltage U _s at AC 60HZ		V	240
Function fleeting contact on de-energization			YES
Function on-delayed			YES

Height		mm	58
Depth		mm	52
Function cyclic starting with pause, variable			YES
Number of outputs, delayed, N/C			0
Number of outputs, delayed, changeover contact			1

Characteristics



Dimensions



Electronic timing relay with sealable shroud
DILET... + HDILE

Additional product information (links)

IL04910003Z (AWA2527-1587) Solid-state timing relay

IL04910003Z (AWA2527-1587) Solid-state timing relay

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04910003Z2010_10.pdf