



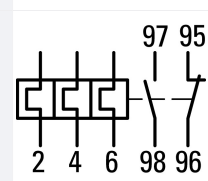
**Overload relay, I<sub>r</sub>= 0.6 - 1 A, 1 N/O, 1 N/C, Direct mounting**

**Part no.** ZE-1,0  
**Catalog No.** 014376  
**Alternate Catalog No.** XTOM001AC1  
**EL-Nummer (Norway)** 4130478

**Delivery program**

Product range			ZE overload relays for mini contactor relays
Phase-failure sensitivity			IEC/EN 60947, VDE 0660 Part 102
Description			Test/off button Reset pushbutton manual/auto Trip-free release
Mounting type			Direct mounting

**Setting range**

Overload releases	I <sub>r</sub>	A	0.6 - 1
Contact sequence			

**Auxiliary contacts**

N/O = Normally open			1 N/O
N/C = Normally closed			1 N/C
For use with			DILEM DIULEM/21/MV

**Short-circuit protection**

Type "1" coordination	gG/gL	A	20
Type "2" coordination	gG/gL	A	4

**Notes**

Overload trigger: tripping class 10 A  
 Short circuit protection: observe the maximum permissible fuse of the contactor with direct device mounting.  
 Suitable for protection of Ex e-motors



II(2)G [Ex d] [Ex e] [Ex px]

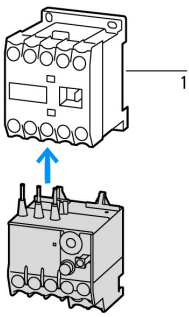
II(2)D [Ex p] [Ex t]

PTB 10 ATEX 3014

Observe manual MN03407003Z-DE/EN.

**Notes**

When fitted directly to the contactor a clearance of at least 5 mm is required between the overload relays.



1 Contactor

## Technical data

### General

Standards			IEC/EN 60947, VDE 0660, UL, CSA
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			Operating range to IEC/EN 60947 PTB: -5 °C - +55 °C
Open	°C		-25 - +50
Enclosed	°C		- 25 - 40
Temperature compensation			Continuous
Weight	kg		0.075
Mechanical shock resistance	g		10 Sinusoidal Shock duration 10 ms
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Altitude	m		Max. 2000

### Main conducting paths

Rated impulse withstand voltage	$U_{imp}$	V AC	6000
Overvoltage category/pollution degree			III/3
Rated insulation voltage	$U_i$	V	690
Rated operational voltage	$U_e$	V AC	690
Safe isolation to EN 61140			
Between auxiliary contacts and main contacts		V AC	300
Between main circuits		V AC	300
Temperatur compensation residual error > 40 °C			$\leq 0.25 \%/K$
Current heat loss (3 conductors)			
Lower value of the setting range		W	2.5
Maximum setting		W	4.8
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	1 x (0.75 - 2.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.5 - 1.5)
Solid or stranded		AWG	18 - 14
Terminal screw			M3.5
Tightening torque		Nm	1.2
Stripping length		mm	8
Tools			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5

### Auxiliary and control circuits

Rated impulse withstand voltage	$U_{imp}$	V	4000
Overvoltage category/pollution degree			III/3
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.5 - 1.5)