
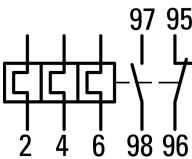




Overload relay, ZBT95, Ir= 63 - 80 A, 1 N/O, 1 N/C, Direct mounting, IP20

Referencia **ZBT95-80**  
 Catalog No. **190950**

### Delivery program

Product range			Overload relay ZBT up to 97 A
Product range			Accessories
Accessories			Overload relays
Frame size			ZBT95
Phase-failure sensitivity			IEC/EN 60947, VDE 0660 Part 102
Description			Test/off button Reset pushbutton manual/auto Trip-free release Overload trigger: tripping class 10 A
Mounting type			Direct mounting
	$I_r$	A	63 - 80
Contact sequence			
<b>Auxiliary contacts</b>			
N/O = Normally open			1 N/O
N/C = Normally closed			1 N/C
For use with			DILMT65 DILMT80 DILMT95

### Technical data

<b>General</b>			
Standards			IEC/EN 60947, GB14048
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: -5 - +40 °C
Open		°C	-25 - +55
Enclosed		°C	- 25 - 40
Temperature compensation			Continuous
Weight		kg	0.352
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

### 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	440
Between main circuits		V AC	440
Terminal capacities		mm <sup>2</sup>	

Solid		mm <sup>2</sup>	1 x (2.5 - 16) 2 x (2.5 - 16)
Flexible with ferrule		mm <sup>2</sup>	1 x (2.5 - 16) 2 x (2.5 - 16)
Tightening torque		Nm	2.5
Stripping length		mm	14
Tools			
Pozidriv screwdriver		Size	0

### Auxiliary and control circuits

Rated impulse withstand voltage	U <sub>imp</sub>	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)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 2.5)
Tightening torque		Nm	0.8
Stripping length		mm	0
Tools			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	1 x 6
Rated insulation voltage	U <sub>i</sub>	V AC	690
Rated operational voltage	U <sub>e</sub>	V AC	690
Conventional thermal current	I <sub>th</sub>	A	10
Rated operational current	I <sub>e</sub>	A	
AC-15			
Make contact			
120 V	I <sub>e</sub>	A	1.5
220 V 230 V 240 V	I <sub>e</sub>	A	1.4
380 V 400 V 415 V	I <sub>e</sub>	A	1.9
500 V	I <sub>e</sub>	A	0.5
Break contact			
120 V	I <sub>e</sub>	A	1.5
220 V 230 V 240 V	I <sub>e</sub>	A	1.5
380 V 400 V 415 V	I <sub>e</sub>	A	1.9
500 V	I <sub>e</sub>	A	1.4
DC L/R ≤ 15 ms			
			Switch-on and switch-off conditions based on DC-13, time constant as specified.
24 V	I <sub>e</sub>	A	0.9
60 V	I <sub>e</sub>	A	0.75
110 V	I <sub>e</sub>	A	0.55
220 V	I <sub>e</sub>	A	0.27
Short-circuit rating without welding			
max. fuse		A gG/gL	6

### Notes

**Notes** Ambient air temperature: Operating range to IEC/EN 60947, PTB: -5°C to +55°C  
Main circuits terminal capacity solid and flexible conductors with ferrules: When using 2 conductors use equal cross-sections.

## Design verification as per IEC/EN 61439

Datos técnicos para la verificación del diseño			
Temperatura ambiente mínima de funcionamiento		°C	-25
Temperatura ambiente máxima de funcionamiento		°C	55

## Technical data ETIM 7.0

Conmutadores en baja tensión (EG000017) / Relé de sobrecarga térmica / magnetotérmico (EC000106)
Tecnología electrónica, de automatización y de mando de procesos / Tecnología de conmutación de baja tensión / Unidad de protección contra sobrecargas / Relé de sobrecarga térmico (ecl@ss10.0.1-27-37-15-01 [AKF075014])

Intervalo de intensidad ajustable	Ampere	63 - 80
Tensión de funcionamiento nominal máxima Ue	Volt	690
Método de montaje		Acoplamiento directo
Tipo de conexión del circuito de corriente principal		Conexión enroscada
Número de contactos auxiliares como contacto normalmente cerrado		1
Número de contactos auxiliares como contacto normalmente abierto		1
Número de contactos auxiliares como contacto de intercambio		0
Clase de liberación		Otros

## Approvals

Specially designed for North America		No
--------------------------------------	--	----

## Dimensions

