Flexible with ferrule	mm <sup>2</sup>	1 × (125) 2 x (110) When using 2 conductors use identical cross-section
Stranded	mm <sup>2</sup>	1 x (1625)
Solid or stranded	AWG	14 - 2
Terminal screw		M6
Tightening torque	Nm	3.5
Tools		
Pozidriv screwdriver	Size	2
Standard screwdriver	mm	1 x 6

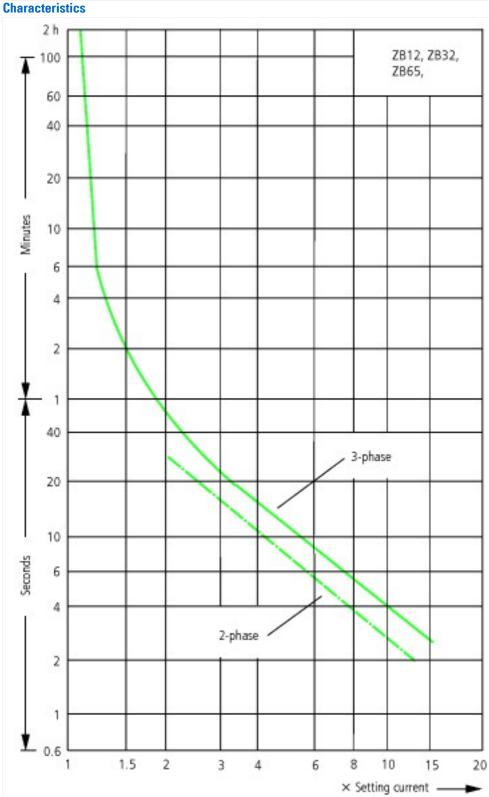
Auxiliary and control circuits			
Rated impulse withstand voltage	U <sub>imp</sub>	V	4000
Overvoltage category/pollution degree			III/3
Terminal capacities		$\text{mm}^2$	
Solid		mm <sup>2</sup>	2 x (0.754)
Flexible with ferrule		mm <sup>2</sup>	2 x (0.75 - 2.5)
Solid or stranded		AWG	2 x (18 - 12)
Terminal screw			M3.5
Tightening torque		Nm	0.8 - 1.2
Tools			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	1 x 6
Rated insulation voltage	Ui	V AC	500
Rated operational voltage	U <sub>e</sub>	V AC	500
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between the auxiliary contacts		V AC	240
Conventional thermal current	I <sub>th</sub>	Α	6
Rated operational current	l <sub>e</sub>	Α	
AC-15			
Make contact			
120 V	l <sub>e</sub>	Α	1.5
240 V	l <sub>e</sub>	Α	1.5
415 V	l <sub>e</sub>	Α	0.5
500 V	l <sub>e</sub>	Α	0.5
Break contact			
120 V	l <sub>e</sub>	Α	1.5
240 V	l <sub>e</sub>	Α	1.5
415 V	l <sub>e</sub>	Α	0.9
500 V	l <sub>e</sub>	Α	0.8
DC-13 L/R - 15 ms			
24 V	l <sub>e</sub>	Α	0.9
60 V	I <sub>e</sub>	Α	0.75
110 V	I <sub>e</sub>	Α	0.4
220 V	I <sub>e</sub>	Α	0.2
Short-circuit rating without welding			
max. fuse		A gG/ gL	6

## **Notes**

Notes Ambient temperature: Operating range to IEC/EN 60947, PTB: -5°C to +55°C
Rated operational current: Making and breaking conditions to DC-13, L/R constant as stated
Main contacts terminal capacity solid and stranded conductors with ferrules: When using 2 conductors use identical cross-section
See overlay "Fuses" for short-circuit rating time/current characteristic (please enquire)
6 mm flexible with ferrules to DIN 46228
Rated operational current DC-13, 60 V: N/O auxiliary contact 0.6 A
at ZB65-XEZ max 1 x (1...16)

## **Technical data ETIM 4.0**

Number of auxiliary contacts as N/Cs		1
Number of auxiliary contacts as N/Os		1
Mounting type		Direct mounting
Adjustable current range	А	A 40
Connection type main circuit		Screw connection
Tripping class		CLASS 10
Number of auxiliary contacts as changeover contacts		0



These tripping characteristics are mean values of the spread at 20 °C ambient temperature in a cold state. Tripping time depends on response current. On devices at operating temperature the tripping time of the overload relay drops to approx. 25 % of the read value. Specific characteristics for each individual setting range can be found in the manual.

## **Dimensions**