Current sensor

Part no. ZEV-XSW-145
Article no. 209637

Delivery programme

Product range			Accessories
Accessories			Current sensors - PRODUCT PHASE OUT in 2012
Diameter	∅	mm	21
Setting range			
Overload releases	I_r	A	10 - 145
For use with			DILM12…DILM150

Notes

The main current parameters are defined by the main current wiring which is used.

Information relevant for export to North America

Product Standards UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking

UL File No. E29184

UL CCN NKCR

CSA File No. 12528

CSA Class No. 3211-03

NA Certification UL listed, CSA certified

Suitable for Branch circuits

Max. Voltage Rating 600 V AC

Degree of Protection IEC: IP20, UL/CSA Type: -

See also TB_ZEV_PRO_Kurzschlussfestigkeit_NA_E§TB_ZB_ZE_Z5_ZEV_PRO_Kurzschlussfestigkeit_NA_P

Approvals

Product Standards	UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking
UL File No.	E29184
UL CCN	NKCR
CSA File No.	12528
CSA Class No.	3211-03
NA Certification	UL listed, CSA certified
Specially designed for NA	No
Suitable for	Branch circuits
Max. Voltage Rating	600 V AC
Degree of Protection	IEC: IP20, UL/CSA Type: -

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		°C	
Open		°C	- 25 - 60
Enclosed		°C	- 25 - 40
Storage		°C	- 40 - 80
Temperature compensation			Continuous
Mounting position			As required
Weight		kg	0.45
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		g	15
Protection type			IP20
Busbar tag shroud when actuated from front (EN 50274)			Finger- and back-of-hand proof

Main conducting paths

Overload release setting range		A	
Setting range of overload relay min.		A	10
Setting range of overload relay max.		A	145
Short-circuit protection Maximum fuse			With overload relay in conjunction with a transformer as required for the contactor
Diameter	{unicode_ima code_point='	mm	21

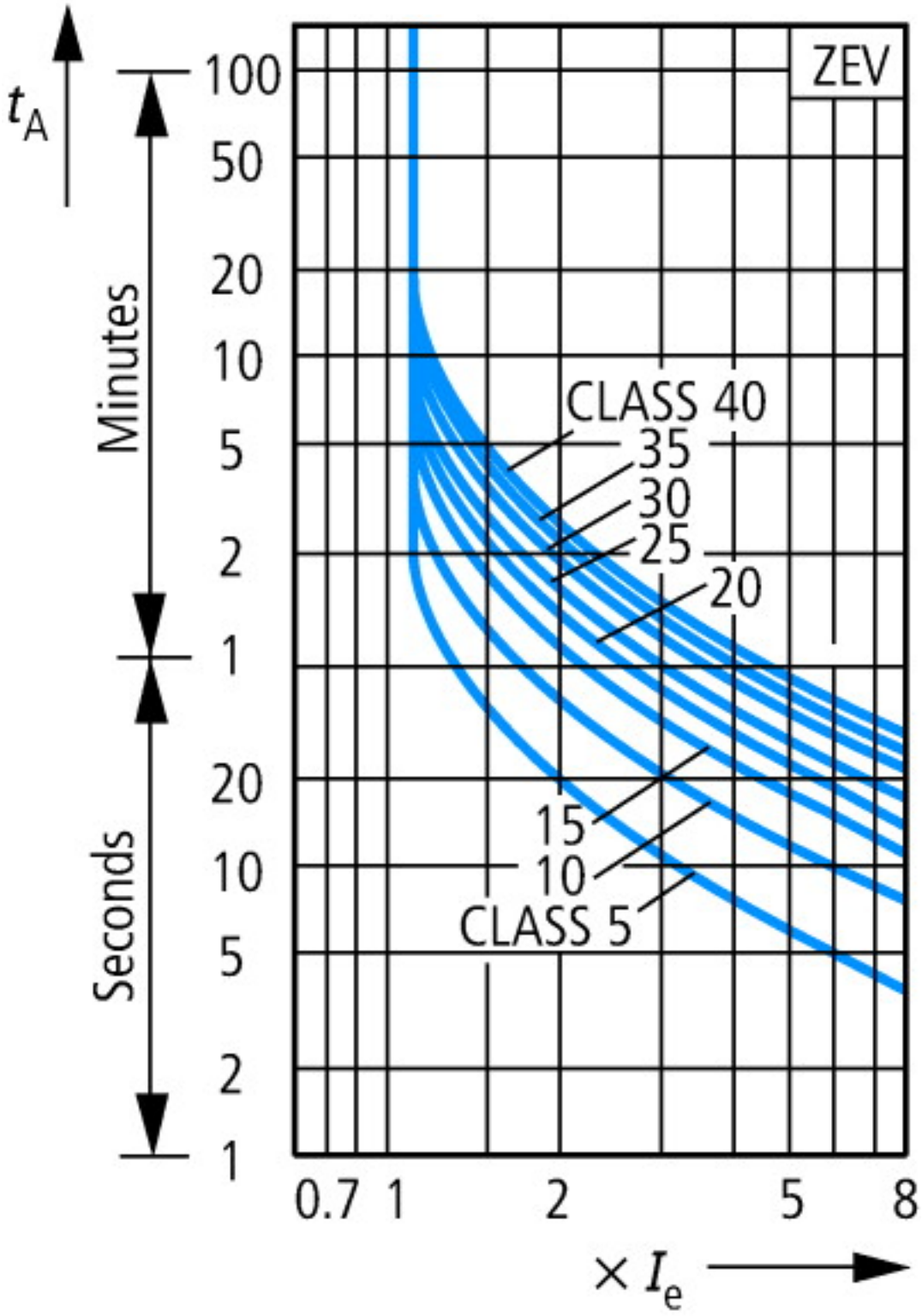
Notes

Notes Operating range to IEC/EN 60947, PTB: -5°C to +50°C
The main current parameters are defined by the main current wiring which is used.

Technical data ETIM 4.0

Number of auxiliary contacts as N/Cs		0
Mounting type		Separate mounting
Rated control voltage Us at DC	V	0
Voltage type for actuation		-
Tripping class		-
Adjustable current range	A	145
Connection type main circuit		-
Number of auxiliary contacts as changeover contacts		0
Rated control voltage Us at AC 60HZ	V	0
Rated control voltage Us at AC 50HZ	V	0
Number of auxiliary contacts as N/Os		0

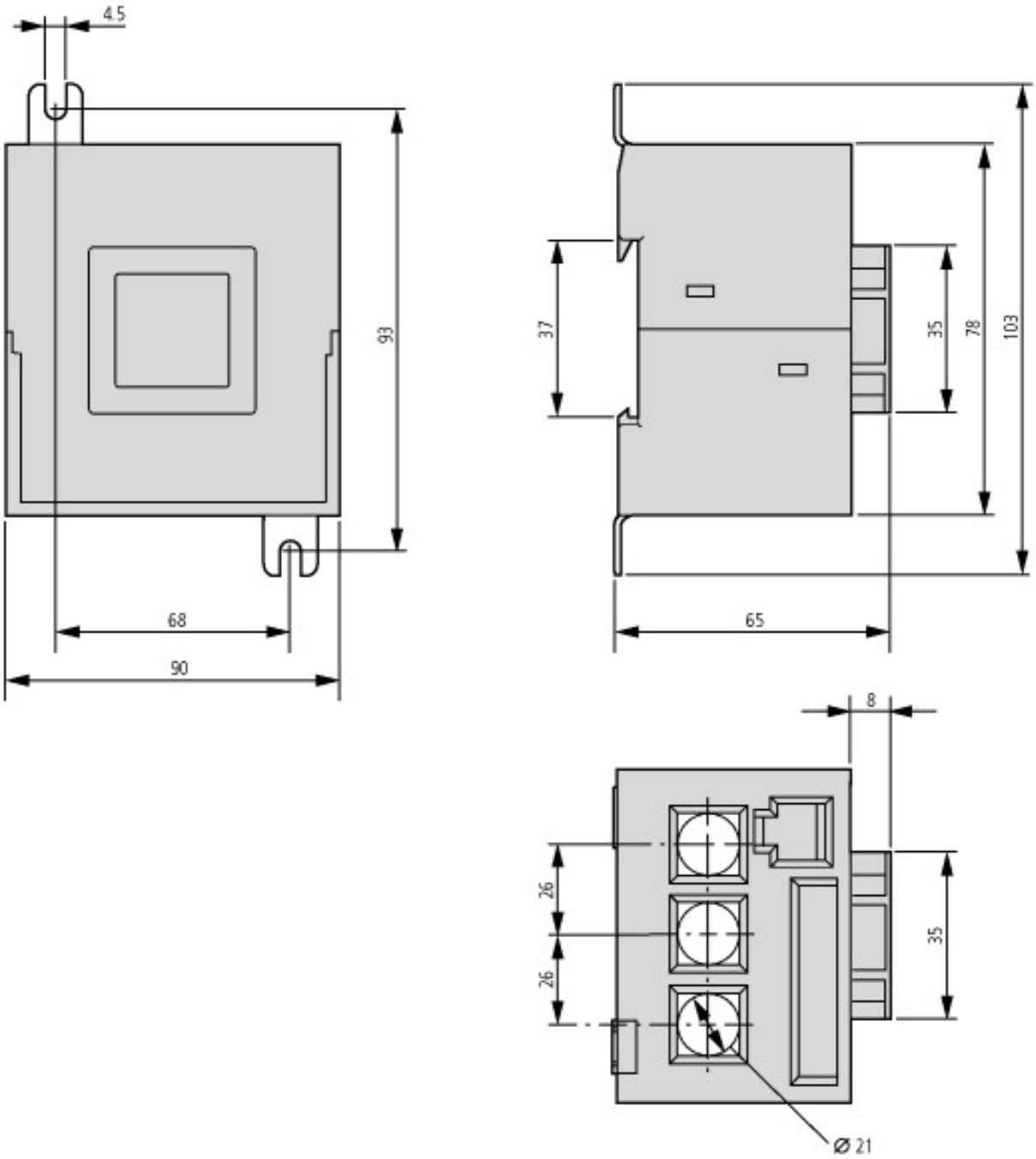
Characteristics



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.

With a phase failure or unbalance > 50 %, the ZEV will trip within 2.5 seconds.

Dimensions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90
37
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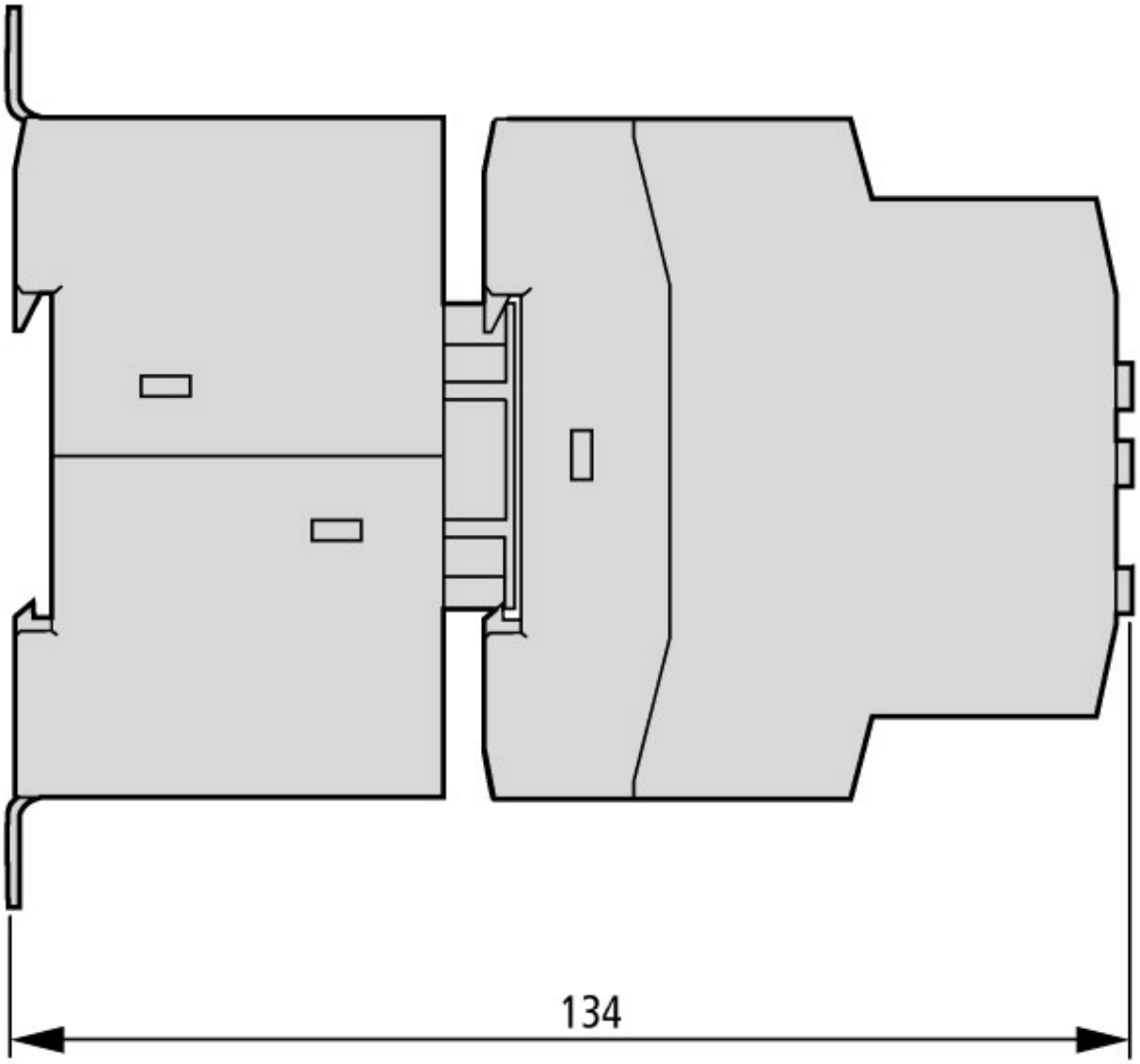

Overload relays
ZEV + ZEV-XSW-…

Additional product information (links)

IL03407080Z (AWA2300-1694) Solid-state motor protection relay	
	IL03407080Z (AWA2300-1694) Solid-state motor protection relay
MN03407008Z-DE/EN (AWB2300-1433) Motors protection system ZEV, overload monitoring of motors in Ex e area	
	MN03407008Z-DE/EN (AWB2300-1433) Motors protection system ZEV, overload monitoring of motors in Ex e area - Deutsch / English
	MN03407008Z-DE/EN (AWB2300-1433) Motorschutzsystem ZEV, Überlastüberwachung von Motoren im Ex e-Bereich - italiano