

## Current sensor



Powering Business Worldwide™

**Part no.**  
**Article no.**

**ZEV-XSW-820**  
**209641**

### Delivery programme

Product range			Accessories
Accessories			Current sensors
Diameter		mm	110
<b>Setting range</b>			
Overload releases	$I_r$	A	40 - 820
For use with			DILM40...DILM820
<b>Information relevant for export to North America</b>			
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	0.14
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

Rated impulse withstand voltage	$U_{imp}$	V	8000
Overvoltage category/pollution degree			III/3
Rated insulation voltage			
AC	$U_i$	V AC	1000
Rated operational voltage	$U_e$	V AC	1000
Safe isolation to VDE 0106 Part 101 and Part 101/A1			

Between busbar and sensor		V AC	500
Overload release setting range		A	
Setting range of overload relay min.		A	40
Setting range of overload relay max.		A	820
Short-circuit protection Maximum fuse			With overload relay in conjunction with a transformer as required for the contactor
Diameter	{unicode_im; code_point=	mm	110

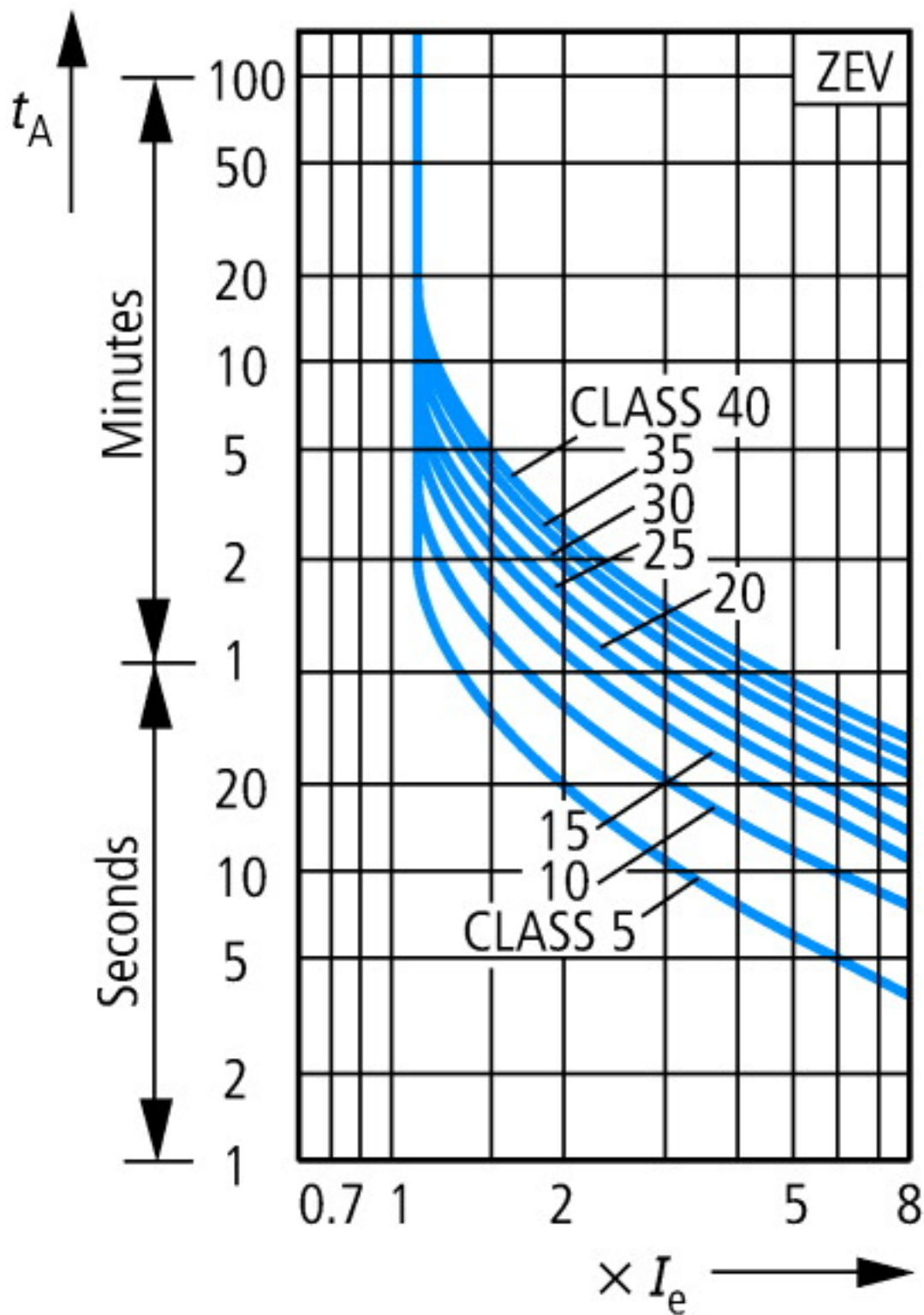
### Notes

**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	820
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

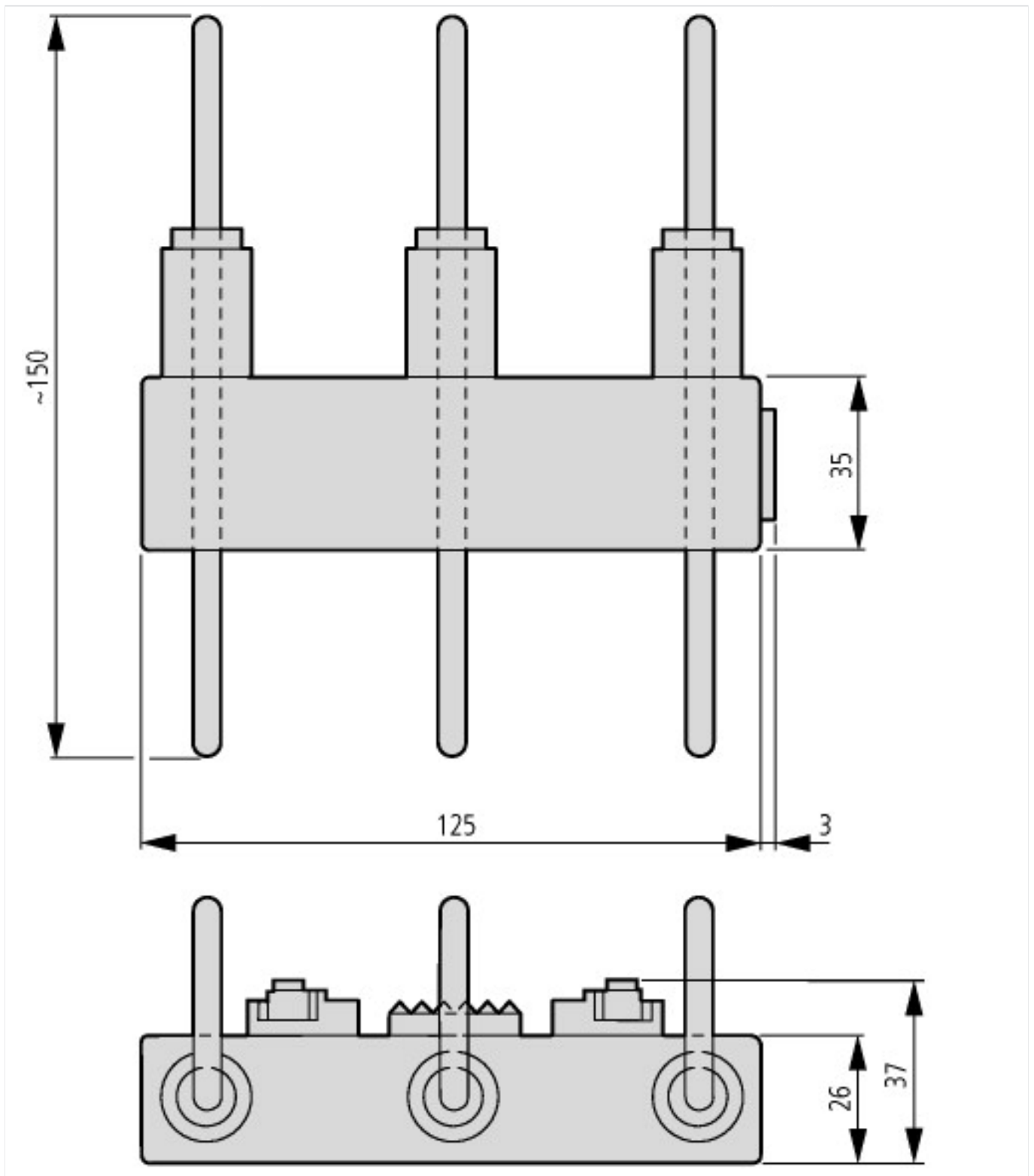
### Characteristics



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



### Additional product information (links)

#### IL03407080Z (AWA2300-1694) Solid-state motor protection relay

IL03407080Z (AWA2300-1694) Solid-state motor protection relay

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03407080Z2010\\_10.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407080Z2010_10.pdf)

#### 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

[ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN03407008Z\\_DE\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN03407008Z_DE_EN.pdf)