

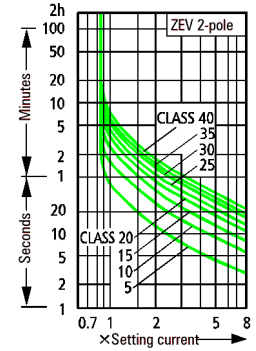
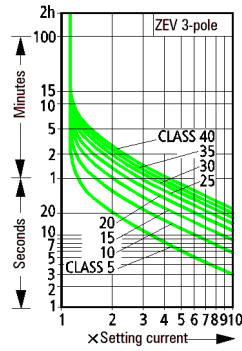
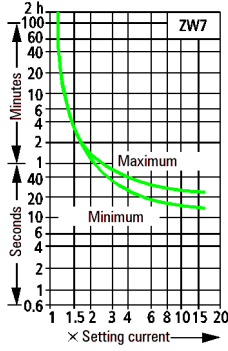
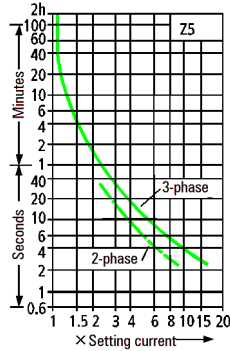
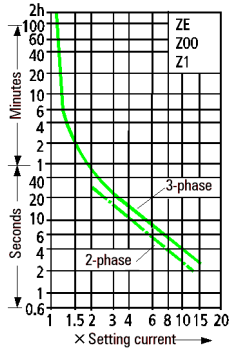
Z, ZW and ZEV Overload Relays

Technical Data

Tripping characteristics

These tripping characteristics show mean values of the tolerance range at 20 °C ambient temperature starting from cold. They show the tripping times in relation to the response current. At operational temperature, the tripping time of the overload relay

drops to approximately 25% of that shown. Specific characteristics for each individual setting range are available on request.



In the event of phase failure or an imbalance > 50 %, the ZEV trips out within 2 – 3 seconds.

ZE	Tripping characteristics to AWA no.
Setting range	
A	
0.1 – 0.16	23-1036-1
0.16 – 0.24	23-1036-2
0.24 – 0.4	23-1036-3
0.4 – 0.6	23-1036-4
0.6 – 1.0	23-1036-5
1.0 – 1.6	23-1036-6
1.6 – 2.4	23-1036-7
2.4 – 4	23-1036-8
4 – 6	23-1036-9
6 – 9	23-1036-10

Z00	Tripping characteristics to AWA no.
Setting range	
A	
0.1 – 0.16	23-657-10
0.16 – 0.24	23-657-12
0.24 – 0.4	23-657-14
0.4 – 0.6	23-657-16
0.6 – 1.0	23-657-18
1.0 – 1.6	23-657-20
1.6 – 2.4	23-657-22
2.4 – 4	23-657-24
4 – 6	23-657-26
6 – 10	23-657-28
10 – 16	23-657-30
16 – 24	23-657-32

Z1	Tripping characteristics to AWA no.
Setting range	
A	
6 – 10	23-657-40
10 – 16	23-657-42
16 – 24	23-657-44
24 – 40	23-657-46
40 – 57	23-657-48
50 – 63	23-657-49
63 – 75	23-657-51.2

ZW7	Tripping characteristics to AWA no.
Setting range	
A	
42 – 63	23-657-60
60 – 90	23-657-62
85 – 125	23-657-64
100 – 160	23-657-66
160 – 240	23-657-68
190 – 290	23-657-70
270 – 400	23-657-72
360 – 540	23-657-74
420 – 630	23-657-76

Z5-.../...K ...	Tripping characteristics to AWA no.
Setting range	
A	
25 – 30	23-657-80
35 – 50	23-657-82
50 – 70	23-657-84
70 – 100	23-657-86
95 – 125	23-657-88
120 – 160	23-657-90
160 – 220	Please enquire
200 – 350	Please enquire

ZEV	Tripping characteristics to AWA no.
Load	
	2321-1888

Note:

¹⁾ All types have adjustable dial for setting motor full load current. Trip current is 125 % of set value. For motors with a service factor (SF) of 1.0, set dial to 90% of motor full load current.