

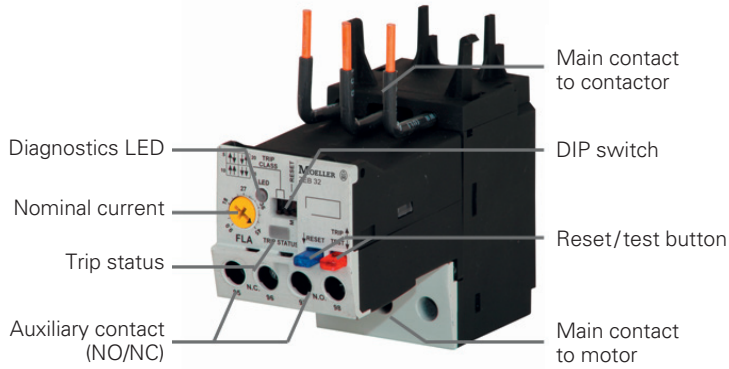


Electronic overload relay ZEB for applications from 0.3 A to 1500 A



Nowadays, the standard practice for overload protection with motor applications is realized either by using motor-protective circuit-breakers with combined short-circuit and overload protection or with short-circuit protective devices in combination with overload relays. The current trend of overload protection with motor-protective circuit-breakers and overload relays is moving from bi-metal solutions to electronic solutions. Eaton Moeller has a new series for applications with overload relay in the electronic overload relay ZEB. With just 7 current ranges, they cover applications from 0.3 A to 100 A. Overload protection for currents from 100 A to 1500 A is implemented by a combination of the ZEB basis unit with the three-phase current transformers ZEB-XCT.

Using the electronic overload protection of the ZEB, the current setting range is extended to a ratio of 1:5 in comparison to the traditional bi-metal relay with a ratio of 1:1.6. The electronic overload relay ZEB is the first choice for industrial applications with additional setting options on the device and symmetric / asymmetric loads.



Features

- Self-supplying electronics
- Reduced number of variants through wide-range overload protection in a ratio of 1:5
- Adjustable tripping classes (10A, 10, 20, 30) for varying starting conditions
- Integrated earth-fault detection without external accessories
- Adjustable single-phasing sensitivity for symmetric and asymmetric loads
- Diagnostics LED for visual overload early warning
- Status field for visual indication of tripping
- Automatic / manual release for fast process restart

Overload relay ZEB											
			for direct installation				for separate mounting				
kW	A	DILM	Without integrated earth-fault detection	Part no.	With integrated earth-fault detection	Part no.	Without integrated earth-fault detection	Part no.	With integrated earth-fault detection	Part no.	
0.55	7	DILM7	ZEB12-1,65	136480	ZEB12-1,65-GF	136483	ZEB32-1,65/KK	136494	ZEB32-1,65-GF/KK	136498	
2.2	7	DILM7	ZEB12-5	136481	ZEB12-5-GF	136484	ZEB32-5/KK	136495	ZEB32-5-GF/KK	136499	
4	9	DILM9	ZEB12-20	136482	ZEB12-20-GF	136485	ZEB32-20/KK	136496	ZEB32-20-GF/KK	136500	
5.5	12	DILM12									
7.5	15	DILM15									
7.5	17	DILM17	ZEB32-20	136488	ZEB32-20-GF	136492					
11	25	DILM25	ZEB32-45	136489	ZEB32-45-GF	136493	ZEB32-45/KK	136497	ZEB32-45-GF/KK	136501	
15	32	DILM32									
18.5	38	DILM38									
18.5	40	DILM40	ZEB65-45	136502	ZEB65-45-GF	136503					
22	50	DILM50	ZEB65-100	136504	ZEB65-100-GF	136505	ZEB150-100/KK	136508	ZEB150-100-GF/KK	136509	
30	65	DILM65									
37	72	DILM72									
37	80	DILM80	ZEB150-100	136506	ZEB150-100-GF	136507					
45	95	DILM95									

Current transformer in conjunction with overload relay ZEB 32-5/KK				
kW	A	DILM	Without integrated earth-fault detection	Part no.
55	115	DILM115	ZEB-XCT-300	136511
75	150	DILM150		
90	185	DILM185A		
110	225	DILM225A		
132	250	DILM250		
160	300	DILM300A		
200	400	DILM400	ZEB-XCT-600	136512
250	500	DILM500		
315	580	DILM580		
355	650	DILM650	ZEB-XCT-1000	136517
400	750	DILM750		
450	820	DILM820		
560	1000	DILM1000		
850	1500	DILM1600	ZEB-XCT-1500	136513

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