

Setting range of overload releases	Circuit symbol	Auxiliary contacts	For use with	Short-circuit protection	
				Type “1” coordination gG/gL	Type “2” coordination gG/gL
		N/O = normally open contact NC = normally closed contact			
I_r A				A	A

Z5 overload relays greater than 150A

- Phase failure sensitivity to IEC/EN 60947, VDE 0660 Part 102
 - Test/off pushbutton
 - Reset pushbutton manual/auto
 - Trip-free release
- Direct mounting
Separate mounting

	50 – 70		1 N/O	1 NC	DILM185A DILM225A	250	160
	70 – 100					250	160
	95 – 125					315	200
	120 – 160					315	200
	160 – 220					315	250
	200 – 250					315	250
	50 – 70				DILM250	400	250
	70 – 100					400	250
	95 – 125					400	315
	120 – 160					400	315
	160 – 220					500	400
	200 – 250					500	400
	250 – 300				DILM300A	400	250
						400	250
						500	315
						500	315
						500	400
						500	400

ZW7 current transformer-operated overload relays

- Test/off button
 - Reset pushbutton manual/auto
 - Trip-free release
 - Protection with heavy starting duty
- Separate mounting

	42 – 63		1 N/O	1 NC	–	–	–
	60 – 90				–	–	–
	85 – 125				–	–	–
	110 – 160				–	–	–
	160 – 240				–	–	–
	190 – 290				–	–	–
	270 – 400				–	–	–
	360 – 540				–	–	–
	420 – 630				–	–	–
					–	–	–

Part no. Article no.	Price See price list	Std. pack	Notes	Information relevant for export to North America	

	Z5-70/FF225A 139572	1 Off 	Overload release: tripping class 10 A Short-circuit protection: With direct mounting, observe the maximum permissible fuse of the contactor. Z5-.../FF225A for protecting Ex electric motors in preparation. Fitted directly to the contactor 1 Contactor → Chapter 5 Accessories → Page 6/27	Product Standards UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking NA Certification Suitable for Max. Voltage Rating Degree of Protection See also UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking UL File No. UL CCN CSA File No. CSA Class No. NA Certification Suitable for Max. Voltage Rating Degree of Protection See also UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking UL File No. UL CCN CSA File No. CSA Class No. NA Certification Suitable for Max. Voltage Rating Degree of Protection See also	UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking Request filed for UL and CSA Branch circuits 600 V AC IEC: IP00, UL/CSA Type: - → Page 6/29
	Z5-100/FF225A 139573				
	Z5-125/FF225A 139574				
	Z5-160/FF225A 139575				
	Z5-220/FF225A 139576				
	Z5-250/FF225A 139577				
	Z5-70/FF250 210070				
	Z5-100/FF250 210071				
	Z5-125/FF250 210072				
	Z5-160/FF250 210073				
	Z5-220/FF250 210074				
	Z5-250/FF250 210075				

	ZW7-63 000245	1 Off 	The main current characteristic values are defined by the main current wiring being used. Adjustment for smaller rated motor currents → Page 6/28	Product Standards UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking UL File No. UL CCN CSA File No. CSA Class No. NA Certification Suitable for Max. Voltage Rating Degree of Protection UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking UL File No. UL CCN CSA File No. CSA Class No. NA Certification Suitable for Max. Voltage Rating Degree of Protection	UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; CE marking Request filed for UL and CSA Branch circuits 600 V AC IEC: IP00, UL/CSA Type: -
	ZW7-90 002618				
	ZW7-125 004991				
	ZW7-160 007364				
	ZW7-240 009737				
	ZW7-290 052448				
	ZW7-400 045329				
	ZW7-540 047702				
	ZW7-630 050075				