

MODx LCD characteristics

Technical data	Symbol	Unit	MOD3 LCD		MOD4 LCD		MOD5 LCD	
Standard			GB/T14048.2 IEC60947-2					
Rated current	I_n	A	250, 400		250, 400, 630		630, 800	
Number of poles			3, 4					
Reference temperature			40 °C / 55 °C					
Rated operational voltage	U_e	V	380 / 400 / 415 V AC					
Rated insulation voltage	U_i	V	1.000					
Rated impulse withstand voltage	U_{imp}	kV	8					
Breaking capacity level			M	H	M	H	M	H
Rated ultimate short-circuit breaking capacity	I_{cu}	kA	85	100	85	100	85	100
Rated service short-circuit breaking capacity	I_{cs}	kA	60	75	60	75	60	75
Mechanical endurance			10.000		10.000		2.500	
Electrical endurance			4.000		4.000		500	
Installation								
Auxiliary contact (OF)				•		•		•
Alarm switch (SD)				•		•		•
Shunt trip (MX)				•		•		•
Under-voltage release (MN)				•		•		•
AC motor mechanism				•		•		•

MOD3 LCD - Electronic type

Type	Rated Current I_{cu} (kA)	Number of Poles	Ordering No.	Weight (kg)	MOQ (pcs)
Standard rated short capability					
MOD3 LCD 3EH 250A	85	3	786.103.801	5.50	6
MOD3 LCD 4EH 250A	85	4	786.103.802	6.80	4
MOD3 LCD 3EH 400A	85	3	786.103.803	5.50	6
MOD3 LCD 4EH 400A	85	4	786.103.804	6.80	4


MOD4 LCD - Electronic type

Standard rated short capability					
MOD4 LCD 3EH 250A	85	3	786.103.805	8.00	4
MOD4 LCD 4EH 250A	85	4	786.103.806	11.30	2
MOD4 LCD 3EH 400A	85	3	786.103.807	8.00	4
MOD4 LCD 4EH 400A	85	4	786.103.808	11.30	2
MOD4 LCD 3EH 630A	85	3	786.103.809	8.00	4
MOD4 LCD 4EH 630A	85	4	786.103.811	11.30	2


MOD5 LCD - Electronic type

Standard rated short capability					
MOD5 LCD 3EH 630A	85	3	786.103.812	8.00	2
MOD5 LCD 4EH 630A	85	4	786.103.813	11.30	2
MOD5 LCD 3EH 800A	85	3	786.103.814	8.00	2
MOD5 LCD 4EH 800A	85	4	786.103.815	11.30	2



Setting parameters

	Symbol	Unit	250 A	400 A	630 A	800 A
Rated current	I_n	A	250	400	630	800
Long delay current range	I_r	A	0.4 - 1.0 I_n	0.4 - 1.0 I_n	0.4 - 1.0 I_n	0.4 - 1.0 I_n
Long delay current setting	I_r	A	100 - 250A with increment by 1A	160 - 400A with increment by 1A	252 - 630A with increment by 1A	320 - 800A with increment by 1A
Long delay time	t_r	S	12 - 150s with increment by 1s + OFF	12 - 150s with increment by 1s + OFF	12 - 150s with increment by 1s + OFF	12 - 150s with increment by 1s + OFF
Short circuit protection of low level faults	I_{sd}	A	200 - 3000A with increment by 1A	320 - 4800A with increment by 1A	500 - 7560A with increment by 1A	650 - 9600A with increment by 1A
Short time	t_{sd}	S	0.06 - 1s with increment by 0.02 s + OFF	0.06 - 1s with increment by 0.02 s + OFF	0.06 - 1s with increment by 0.02 s + OFF	0.06 - 1s with increment by 0.02 s + OFF
Short circuit protection of high level faults	I_i	A	400 - 3500A with increment by 1A + OFF	640 - 3500A with increment by 1A + OFF	1000 - 8820A with increment by 1A + OFF	1300 - 9600A with increment by 1A + OFF
Pre-trip alarm setting multiple	I_p	A	70 - 250A with increment by 1A	112 - 400A with increment by 1A	175 - 630A with increment by 1A	228 - 800A with increment by 1A
For 4P						
Ground fault pickup current	I_g	A	50 - 250A with increment by 1A + OFF	80 - 400A with increment by 1A + OFF	126 - 630A with increment by 1A + OFF	160 - 800A with increment by 1A + OFF
Ground fault pickup time	t_g	S	Fixed for 0.4 sec	Fixed for 0.4 sec	Fixed for 0.4 sec	Fixed for 0.4 sec

Dimensions

Dimensions (L x W x H)	3P	mm	150 × 257 × 148	150 × 257 × 148	210 × 280 × 155
	4P	mm	198 × 257 × 148	198 × 257 × 148	280 × 280 × 155

