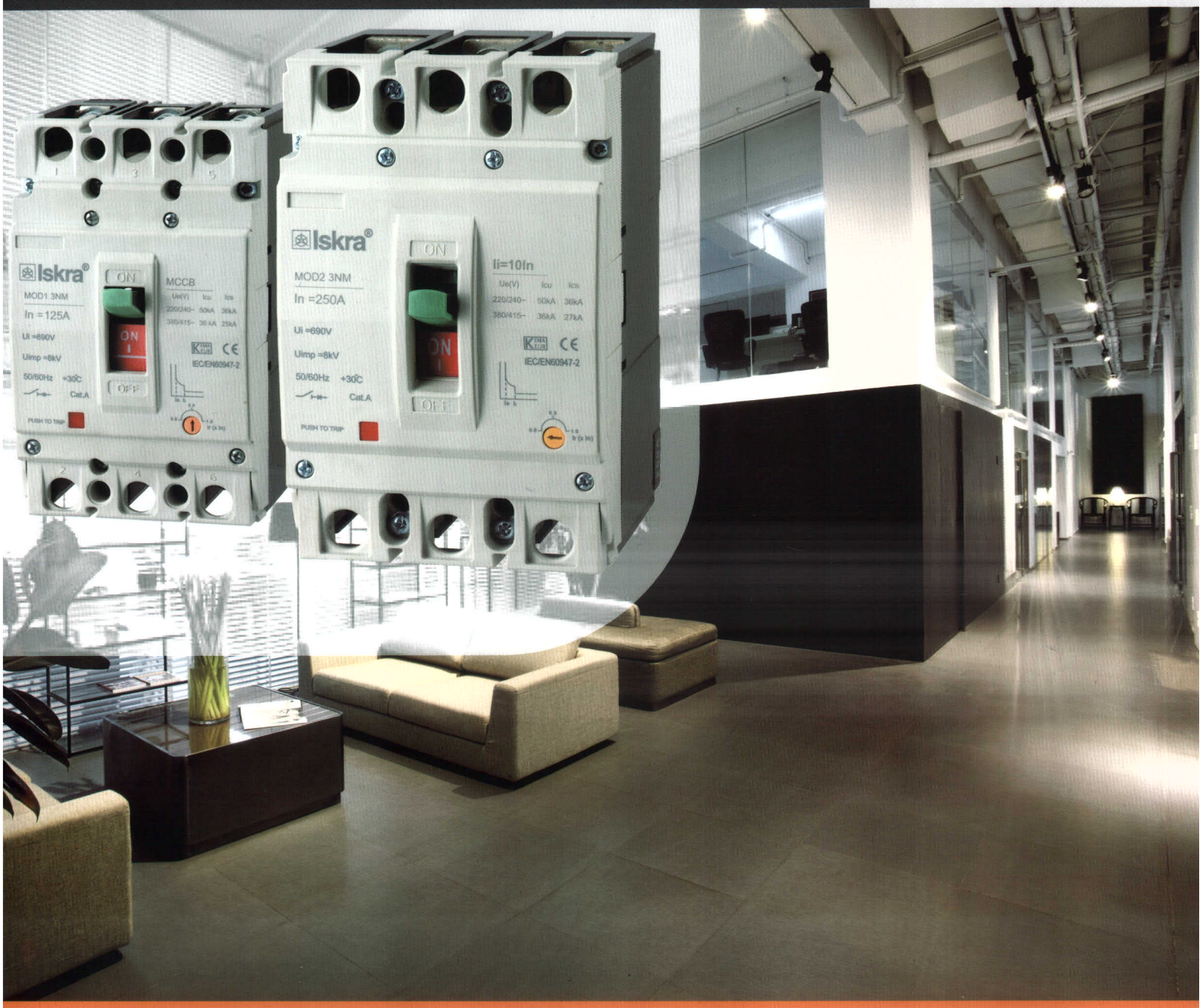
Iskra®



Molded-Case

Circuit Breakers

CE

Molded-Case Circuit Breakers
MOD4, MOD5, MOD6

TECHNICAL DATA

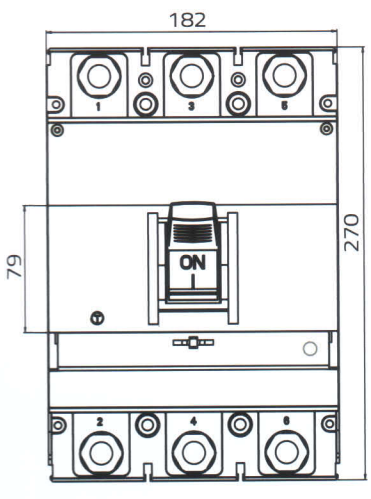
Type		Symbol	Unit	MOD 4		MOD 5		MOD 6	
Size				500 A, 630 A		800 A		1000 A, 1250 A	
Standard				IEC 60947-2					
Approvals				CE					
Rated current (at 40 °C)		I_n	A	630		800		1000, 1250	
Number of poles				3 and 4					
Rated operational voltage		U_e	V	415					
Rated insulation voltage		U_i	V	800					
Rated impulse withstand voltage		U_{imp}	kV	8					
Pollution degree		I_n	A	III					
Rated frequency		f	Hz	50/60					
Altitude			m	<2000					
Breaking capacity level				M	H	M	H	M	H
Rated ultimate short-circuit breaking capacity	400 V	I_{cu}	kA	65	85	65	85		85
	690 V			20	20	20	20		30
Rated service short-circuit breaking capacity	400 V	I_{cs}	kA	50	50	50	50		50
	690 V			10	15	10	15		20
Mechanical durability			op. c.	15×10^3		15×10^3		10×10^3	
Electrical durability			op. c.	7×10^3		7×10^3		5×10^3	
Instantaneous tripping 0.8-1.0 x I_n	F			Fixed					
	N			Adjustable					
	E			Electronic					
Weight			kg	6.9	8.5	8.0	10.0		15.75

Accessories

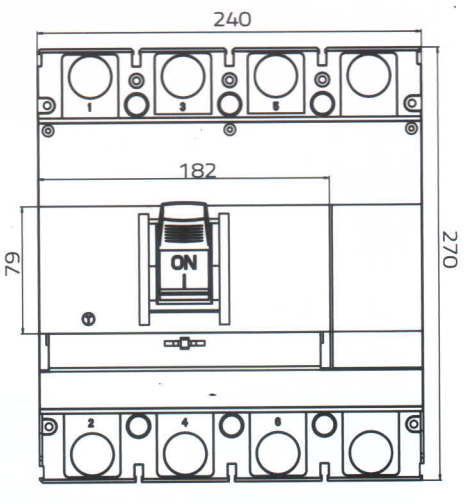
Auxiliary contacts (AC11)	230 V		A	3					
Trip alarm contact (AC11)	230 V		A	3					
Auxiliary + alarm contact (AC11)	230 V		A	3					
Shunt relay	AC		V	230, 400					
	DC			24, 110, 220					
Undervoltage relay	AC		V	230, 400					
Electrical operating mechanism	AC		V	230. 400					
	DC			24, 110, 220					
Rotary handle operating				✓		✓		✓	

Dimensions

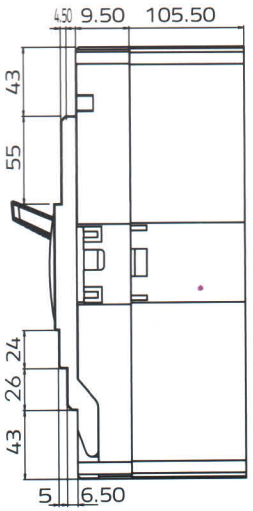
MOD4: 630 A



3-pole



4-pole



Molded-Case Circuit Breakers
MOD1, MOD2, MOD3

TECHNICAL DATA

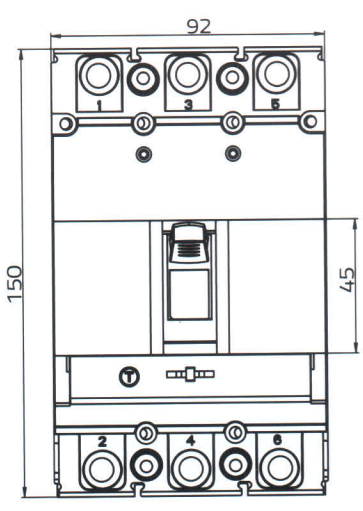
Type		Symbol	Unit	MOD 1		MOD 2		MOD 3	
Size				up to 100 A		up to 250 A		up to 400 A	
Standard				IEC 60947-2					
Approvals				CE					
Rated current (at 40 °C)		I_n	A	40, 50, 63, 80, 100		125, 160, 200, 250		250, 315, 400	
Number of poles				3 and 4					
Rated operational voltage		U_e	V	415					
Rated insulation voltage		U_i	V	800					
Rated impulse withstand voltage		U_{imp}	kV	8					
Pollution degree		I_n	A	III					
Rated frequency		f	Hz	50/60					
Altitude			m	<2000					
Breaking capacity level				L	M	L	M	M	H
Rated ultimate short-circuit breaking capacity	400 V	I_{cu}	kA	36	50	36	50	65	85
	690 V			6	20	6	20	20	20
Rated service short-circuit breaking capacity	400 V	I_{cs}	kA	36	36	36	36	50	50
	690 V			6	10	6	10	10	15
Mechanical durability			op. c.	20×10^3		20×10^3		15×10^3	
Electrical durability			op. c.	8×10^3		8×10^3		7×10^3	
Instantaneous tripping 0.8-1.0 x I_n	F			Fixed					
	N			Adjustable					
	E			Electronic					
Weight			kg	1.2	1.5	1.8	2.8	5.1	6.4

Accessories

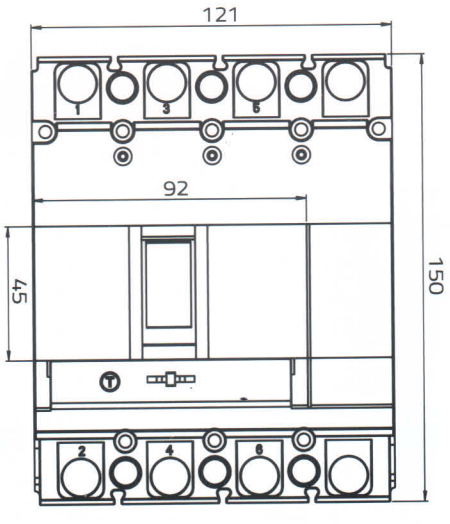
Auxiliary contacts (AC11)	230 V		A	3		
Trip alarm contact (AC11)	230 V		A	3		
Auxiliary + alarm contact (AC11)	230 V		A	3		
Shunt relay	AC		V	230, 400		
	DC			24, 110, 220		
Undervoltage relay	AC		V	230, 400		
Electrical operating mechanism	AC		V	230, 400		
	DC			24, 110, 220		
Rotary handle operating				✓	✓	✓

Dimensions

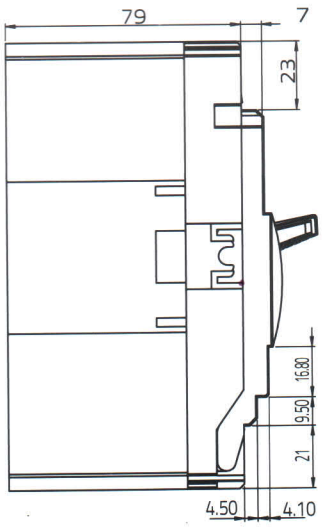
MOD1: 100 A



3-pole



4-pole



Range of Application

Use

MOD molded case circuit breakers (MCCB) are used for switching and protecting low-voltage installations in larger residential properties and business as well as industrial buildings. They ensure reliable protection against overload and short circuits, and can also be used as a main disconnection switch.

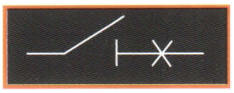


Benefits

- Rated currents range from 40 A to 1250 A
- 3- or 4-pole version
- High short-circuit breaking capacity (up to 85 kA)
- Easiy adjustable overload and short-circuit releasae
- Micro-processor release (E-version)
- Compact mechanical design
- They can be installed vertically or horizontally
- Many additional accessories

Isolating function

They have isolating function, the symbol is:



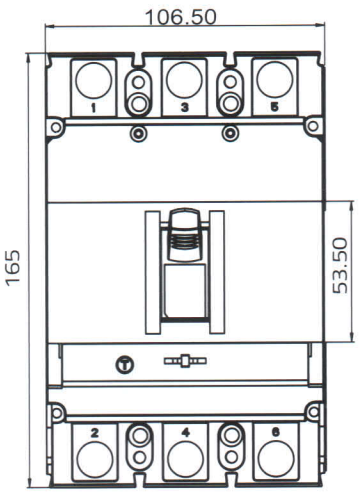
Standards

- IEC 60947-4
- IEC 60947-2
- IEC 60947-4-1
- IEC 60947-5-1

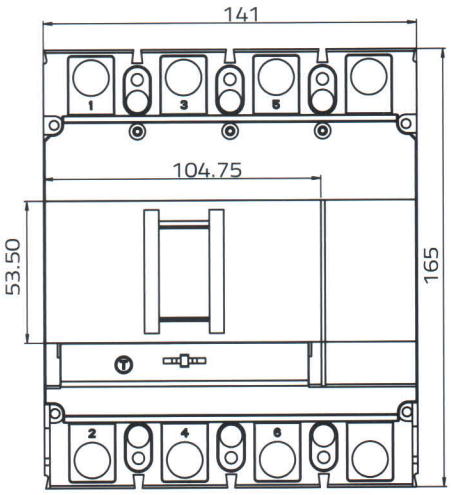
Molded-Case Circuit Breakers
MOD1, MOD2, MOD3, MOD4, MOD5, MOD6

Dimensions

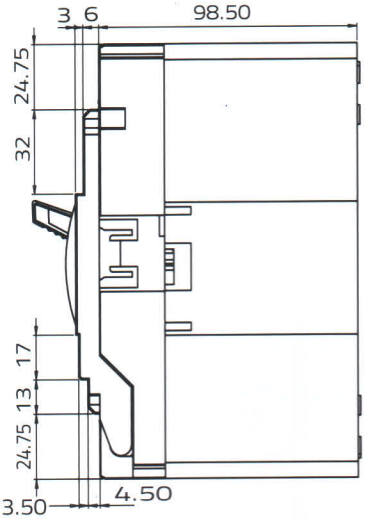
MOD2: 250 A



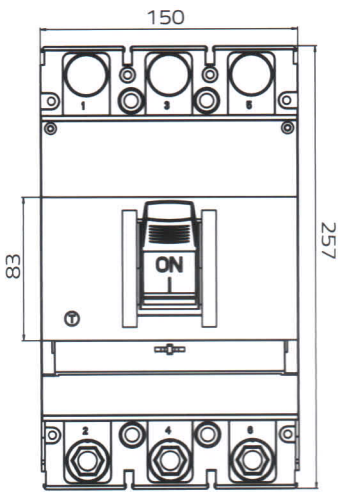
3-pole



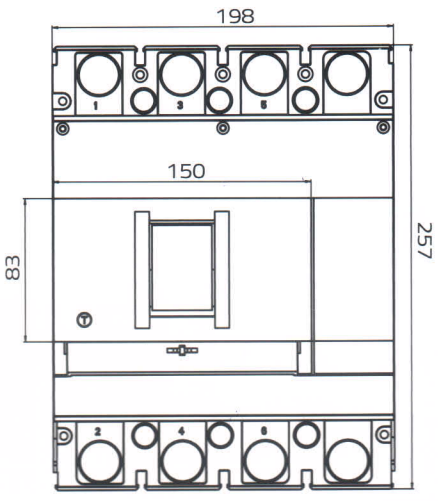
4-pole



MOD3: 400 A



3-pole



4-pole

