

Moulded Case Circuit Breaker





IBS Moulded Case Circuit Breaker

Application

The Indkom IBS series is designed to protect electrical systems against overload and short circuits. They are suitable for protection in individual enclosures, switchboards, lighting & power panels and motor-control centres.

Mechanism

The Indkom IBS series is designed to be trip-free. Should this happen, the breaker contacts open under short circuit and overload conditions. If a short circuit or overload occurs on any one phase, and to avoid single phasing, a common trip mechanism will disconnect all phase contacts of a multi-pole breaker.

Material

With the casing made of BMC, a high knock resistant material and with a very strong dielectric strength, the Indkom's IBS Moulded Case Circuit Breaker ensures the highest level of protection and insulation.

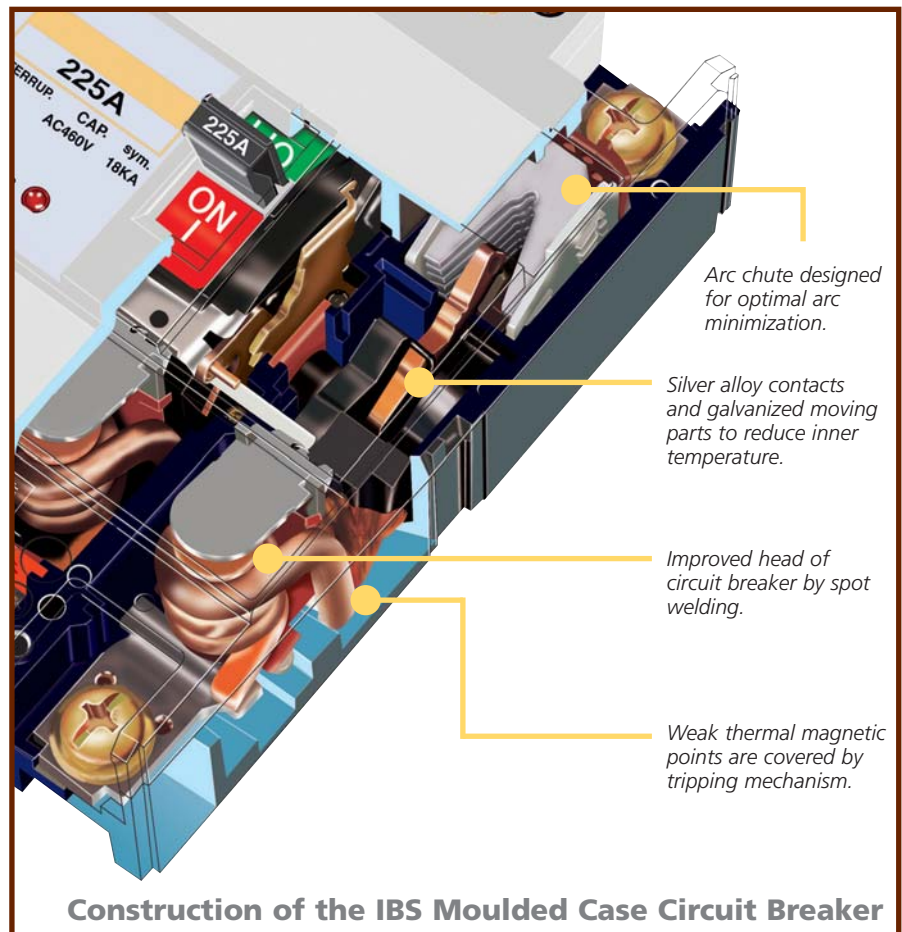
Accessories

Standard features include a trip button and an automatic tripping device. To further enhance the IBS series, these accessories can be fitted onto the breaker:

- auxiliary switch
- alarm switch
- shunt release
- undervoltage trip.

International Standards

The Indkom IBS Moulded Case Circuit Breaker series conform and meet the requirements of international governing bodies from all over the world.





IBS Standard MCCB



Model code		IBS 52D	IBS 53D	IBS 54D	IBS 102D	IBS 103D	IBS 104D	IBS 202D	IBS 203D	IBS 204D	
Frame size		50			100			225			
Number of pole (P)		2	3	4	2	3	4	2	3	4	
Rated current (A)		10, 15, 20, 30, 40, 50			20, 30, 40, 50, 60, 75, 100			125, 150, 175, 200, 225			
Rated voltage (V)	AC	600V			600V			600V			
	DC	250V			250V			250V			
Rated interruption capacity	IEC BS	AC (sym)	600V	5 / 3		14 / 7		14 / 7			
			500V	7.5 / 4		20 / 10		20 / 10			
			415V	10 / 5		30 / 15		30 / 15			
			380V	10 / 5		30 / 15		30 / 15			
			240V	25 / 13		50 / 25		50 / 25			
			DC 250V	2.5 / 1.5		14 / 7		14 / 7			
Dimensions		A	50	75	100	60	90	120	105	105	140
		B	130			150			165		
		C	60			60			60		
		D	80			80			84		
Net weight (kg)		0.5	0.6	0.8	0.8	1.3	1.5	1.1	1.3	1.8	
Tripping device		ODP			TM			ODP			
Trip button		Standard			Standard			Standard			
Construction	Front	Standard			Standard			Standard			
	Behind	Optional			Optional			Optional			
	Inside	Optional			Optional			Optional			
Alarm Switch (AL)		Sub standard			Sub standard			Sub standard			
Auxiliary Switch (AX)		Sub standard			Sub standard			Sub standard			
Shunt Trip (SHT)		Optional			Optional			Optional			
Under-voltage trip (UVT)		-			-			-			



IBS Standard MCCB



Model code		IBS 402	IBS 403	IBS 404	IBS 602	IBS 603	IBS 604	IBS 802	IBS 803	IBS 804	
Frame size		400			600			800			
Number of pole (P)		2	3	4	2	3	4	2	3	4	
Rated current (A)		250, 300, 350, 400			500, 600			700, 800			
Rated voltage (V)	AC	600V			600V			600V			
	DC	250V			250V			250V			
Rated interruption capacity	IEC BS	AC (sym)	600V	30 / 15	30 / 15	30 / 15	30 / 15	30 / 15	30 / 15	30 / 15	
			500V	35 / 18	35 / 18	35 / 18	35 / 18	35 / 18	35 / 18	35 / 18	
			415V	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	
			380V	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	50 / 25	
			240V	85 / 43	85 / 43	85 / 43	85 / 43	85 / 43	85 / 43	85 / 43	
			DC 250V	40 / 20	40 / 20	40 / 20	40 / 20	40 / 20	40 / 20	40 / 20	
Dimensions		A	140	140	185	210	210	280	210	210	280
		B	257			275			275		
		C	103			103			103		
		D	146			146			146		
Net weight (kg)		502	602	708	90.2	10.5	17	10	11.5	18.2	
Tripping device		TM			TM			TM			
Trip button		Standard			Standard			Standard			
Construction	Front	-	Standard			Standard			Standard		
	Behind	X	Optional			Optional			Optional		
	Inside	E	Optional			Optional			Optional		
Alarm Switch (AL)		Sub standard			Sub standard			Sub standard			
Auxiliary Switch (AX)		Sub standard			Sub standard			Sub standard			
Shunt Trip (SHT)		Optional			Optional			Optional			
Under-voltage trip (UVT)		-			-			-			



**IBH
High Interruption
MCCB**



Model code		IBH 52N	IBH 53N	IBH 54N	IBH 102N	IBH 103N	IBH 104N	IBH 202N	IBH 203N	IBH 204N	
Frame size		50			100			225			
Number of pole (P)		2	3	4	2	3	4	2	3	4	
Rated current (A)		20, 30, 40, 50			15, 20, 30, 40, 50		60, 75, 100	125, 150, 175, 200, 225			
Rated voltage (V)	AC	600V			600V			600V			
	DC	250V			250V			250V			
Rated interruption capacity	IEC BS	AC (sym)	600V	30 / 15		30 / 15		30 / 15			
			500V	35 / 18		35 / 18		35 / 18			
			415V	42 / 21		50 / 25		50 / 25			
			380V	42 / 21		50 / 25		50 / 25			
			240V	85 / 43		85 / 43		85 / 43			
			DC 250V	40 / 20		40 / 20		40 / 20			
Dimensions		A	60	90	120	105	105	140	105	105	140
		B	150			165			165		
		C	60			82.5			82.5		
		D	80			109			109		
Net weight (kg)		1.6	1.8	2.3	1.6	1.8	2.3	1.6	1.8	2.3	
Tripping device		TM			TM			TM			
Trip button		Standard			Standard			Standard			
Construction	Front	-			Standard			Standard			
	Behind	X			Optional			Optional			
	Inside	E			Optional			Optional			
Alarm Switch (AL)		Sub standard			Sub standard			Sub standard			
Auxiliary Switch (AX)		Sub standard			Sub standard			Sub standard			
Shunt Trip (SHT)		Optional			Optional			Optional			
Under-voltage trip (UVT)		-			-			-			



**IBL
Current Limiting
MCCB**



Model code		IBL 103C	IBL 203C
Frame size		100	225
Number of pole (P)		3	3
Rated current (A)		60, 75, 100	
Rated voltage (V)	AC	600V	600V
	DC	250V	250V
Rated interruption capacity	IEC BS	600V	35 / 18
		500V	35 / 18
		AC (sym) 415V	65 / 33
		380V	65 / 33
		240V	125 / 63
		DC 250V	40 / 20
			40 / 20
Dimensions	A	105	105
	B	165	165
	C	82.5	82.5
	D	109	109
Net weight (kg)		1.8	1.8
Tripping device		TM	TM
Trip button		Standard	Standard
Construction	Front	-	Standard
	Behind	X	Optional
	Inside	E	Optional
Alarm Switch (AL)		Sub standard	Sub standard
Auxiliary Switch (AX)		Sub standard	Sub standard
Shunt Trip (SHT)		Optional	Optional
Under-voltage trip (UVT)		-	-

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As standards, applications and designs may change from time to time,
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