

DX³ isolators

ISs for AC applications upto 125A



4065 00

4065 10

4065 20

Technical characteristics p. 45

Isolators for AC applications upto 125 A
 ISI marked as per IEC 60947-3
 Integrated label holder
 Ergonomic red color dolly
 Sliding bottom clamp
 Double break mechanism
 Improved air channels
 Color coded On/Off indication on dolly
 Biconnect lower terminals
 IP 20 protected terminals
 Sliding shutters

Pack	Cat.Nos	Isolators	Number of modules
		2 pole 415 V\sim	
		Nominal rating In (A)	
1/5/60	4065 00	32	2
1/5/60	4065 01	40	2
1/5/60	4065 02	63	2
1/5/60	4065 04	100	2
1/5/60	4065 05	125	2
		3 pole 415 V\sim	
1/40	4065 09	32	3
1/40	4065 10	40	3
1/40	4065 11	63	3
1/40	4065 13	100	3
1/40	4065 14	125	3
		4 pole 415 V\sim	
1/32	4065 18	32	4
1/32	4065 19	40	4
1/32	4065 20	63	4
1/32	4065 22	100	4
1/32	4065 23	125	4

DX³ RCCBs

RCCBs for AC applications upto 63 A



4118 51

4118 77

4118 93

Technical characteristics p. 46-51

ISI marked as per IS 12640-1
 Integrated label holder
 Ergonomic Grey color dolly
 Sliding bottom clamp
 Color coded On/Off indication on dolly
 Biconnect lower terminals
 IP 20 protected terminals
 35 sq mm terminals
 Sliding shutters

Pack	Cat.Nos	DX ³ RCCBs	Number of modules
		2 pole 240 V\sim	
		30 mA	
		Nominal rating In (A)	
1/5/60	4118 51	25	2
1/5/60	4118 52	40	2
1/5/60	4118 53	63	2
		100 mA	
1/5/60	4118 56	25	2
1/5/60	4118 57	40	2
1/5/60	4118 58	63	2
		300 mA	
1/5/60	4118 61	25	2
1/5/60	4118 62	40	2
1/5/60	4118 63	63	2
		4 pole 415 V\sim	
		30 mA	
1/32	4118 76	25	4
1/32	4118 77	40	4
1/32	4118 78	63	4
		100 mA	
1/32	4118 81	25	4
1/32	4118 82	40	4
1/32	4118 83	63	4
		300 mA	
1/32	4118 86	25	4
1/32	4118 87	40	4
1/32	4118 88	63	4
		4 pole 415 V\sim, A-S	
		300 mA	
1/5/60	4118 91	25	4
1/5/60	4118 92	40	4
1/5/60	4118 93	63	4
		2 pole 240 V\sim, HPI	
		30 mA	
1/5/60	4118 71	25	2
1/5/60	4118 72	40	2
1/5/60	4118 73	63	2
		4 pole 415 V\sim, HPI	
		30 mA	
1/32	4118 96	25	4
1/32	4118 97	40	4
1/32	4118 98	63	4

DX³ RCDS

technical data for DX³ RCDs

Specification	RCCB		
	Type AC	Type A-S	Type Hpi
	IS 12640 (part 1) 2008 IEC 61008 - 1	IEC 61008 - 1 EN 61008 - 1	EN 61008 - 1 IEC 61008 - 1
No. of modules			
- Double pole	2	2	2
- Four pole	4	4	4
Electrical characteristics			
Nominal rating I_n (A)			
- Double pole	25, 40, 63, 80, 100	63, 80	25, 40, 63, 80
- Four pole	25, 40, 63, 80, 100	25, 40, 63, 80	25, 40, 63, 80
Rated sensitivity (mA)			
- Double pole	30, 100, 300	300	30
- Four pole	30, 100, 300	300	30
Rated frequency (Hz)	50 / 60	50 / 60	50 / 60
Rated operating voltage U_e (V AC)			
- Double pole	230	230	230
- Four pole	230 / 415	400	400
Minimum operating voltage (V AC)	12	12	12
Minimum operating voltage for test button (V AC)⁽¹⁾			
- Double pole	170	170	170
- Four pole	196	196	196
Rated insulation voltage U_i (V AC)			
- Double pole	250	250	250
- Four pole	500	500	500
Rated impulse withstand voltage U_{imp} (kV)	6	6	6
Breaking capacity	As per IS 12640 (part 1) 2008, IEC 61008 - 1		
Rated making & breaking capacity (I_m)			
- Up to 40 A	500 A	-	500 A
- From 63 A and above	10 x I _n	630 A	630 A
Rated residual making & breaking capacity (I_{Δm})			
- Up to 40 A	1000 A	-	1000 A
- From 63 A and above	1000 A	1000 A	1000 A
Rated conditional short circuit current (I_{nc})	10000 A	10000 A	10000 A
Rated conditional residual short circuit current (I_{Δc})	10000 A	10000 A	10000 A
Rated service short circuit capacity (I_{cs})	-	-	-
Rated short circuit capacity (I_{cn})	-	-	-
Operating temperature (°C)	- 25 to 70	- 25 to 70	- 25 to 70
Endurance (0.C cycle)			
- Mechanical	20,000	20,000	20,000
- On load at $i_n \times \cos \phi = 0.9$	10,000	10,000	10,000
- Via test button	2,000	2,000	2,000
- By fault current (sensitivity)	2,000	2,000	2,000
Testing	By pressing test button grey dolly will come to OFF position It is recommended to test RCCB once a month	By pressing test button grey dolly will come to OFF position It is recommended to test RCCB once a month	By pressing test button, grey dolly will come to OFF position It is recommended to test RCCB once a month
Fault indication			
- Earth leakage	Grey dolly will come to OFF position	Grey dolly will come to OFF position	Grey dolly will come to OFF position
- Overload and shortcut	-	-	-
Resetting	Switch on grey dolly	Switch on grey dolly	Switch on grey dolly
Terminals			
- Rigid	1 - 35 sq. mm	1 - 35 sq. mm	1 - 35 sq. mm
- Flexible	1 - 25 sq. mm	1 - 25 sq. mm	1 - 25 sq. mm
Type of protection			
Earth leakage	•	•	•
Overload	-	-	-
Short circuit	-	-	-
Add on electrical accessories*			
Auxiliary	•	•	•
Fault signaling	•	•	•
Shunt trip	•	•	•
Under voltage	•	•	•
Over voltage	•	•	•

* - Accessories are mounted on the left hand side of the product.
At a time a maximum of three accessories can be mounted.

⁽¹⁾ - Between phase and neutral

RCBO				
	Type AC	Type AC - 2 & 4 modules	Type Hpi	Type A
	IS 12640 (part 2) 2008 IEC 61009 - 1	NFC 61 - 410 EN 61009 - 1 IEC 61009 - 1	EN 61009 - 1 IEC 61009 - 1	EN 61009 - 1 IEC 61009 - 1
	4	2	2	-
	7	4	-	4
	6, 10, 16, 25, 32, 40, 63	6, 10, 16, 20, 25, 32	25, 32, 40	25, 32, 40
	16, 25, 32, 40, 63	10, 16, 20, 25, 32	-	-
	30, 100, 300	30, 300	30	30, 300
	30, 100, 300	-	-	-
	50	50	50 / 60	50 / 60
	230	230	230	-
	415	415	-	415
	12	12	12	12
	170	170	170	-
	196	196	-	196
	500	250	250	-
	500	500	-	500
	4	6	6	6
	As per IS 12640 (part 2) 2008, IEC 61009 - 1			
	10000 A	6000 A	6000 A	6000 A
	10000 A	-	-	-
	10000 A	3000 A	3000 A	3000 A
	10000 A	-	-	-
	-	-	-	-
	-	-	-	-
	7500 A	6000 A	6000 A	6000 A
	10000 A	6000 A	6000 A	6000 A
	- 25 to 70	- 25 to 70	- 25 to 70	- 25 to 70
	20,000	20,000	20,000	20,000
	10,000	10,000	10,000	10,000
	1,000	1,000	1,000	1,000
	1,000	1,000	1,000	1,000
	By pressing test button, black dolly will come to OFF position It is recommended to test RCBO once a month	By pressing test button, black dolly will come to OFF position It is recommended to test RCBO once a month	By pressing test button, black dolly will come to OFF position It is recommended to test RCBO once a month	By pressing test button, black dolly will come to OFF position It is recommended to test RCBO once a month
	Black & blue dolly will come to OFF position	Black dolly will come to OFF position & blue indicator will appear on front face window	Black dolly will come to OFF position & blue indicator will appear on front face window	Black dolly will come to OFF position & blue indicator will appear on front face window
	Black dolly will come to OFF position	Black dolly will come to OFF position	Black dolly will come to OFF position	Black dolly will come to OFF position
	Switch on black dolly	Switch on black dolly	Switch on black dolly	Switch on black dolly
	1 - 35 sq. mm	0.75 - 16 sq. mm	0.75 - 16 sq. mm	0.75 - 16 sq. mm
	1 - 25 sq. mm	0.75 - 10 sq. mm	0.75 - 10 sq. mm	0.75 - 10 sq. mm
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•