

DX³ RCDS

technical data for DX ³ RCDs

		RCCB			
		Type AC	Type A-S	Type Hpi	
Specification		IS 12640 (part 1) 2008	IEC 61008 - 1	EN 61008 - 1	
		IEC 61008 - 1	EN 61008 - 1	IEC 61008 - 1	
No. of modules	- Double pole	2	2	2	
	- Four pole	4	4	4	
Electrical characteristic	S				
Nominal rating In (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 - Double pole		230	230	230	
Ue (V AC)	- Four pole	230 / 415	400	400	
Minimum operating voltage (V AC)		12	12	12	
Minimum operating voltage f	or test button (V AC) ⁽¹⁾				
	- Double pole	170	170	170	
	- Four pole	196	196	196	
Rated insulation	- Double pole	250	250	250	
voltage Ui (V AC)	- Four pole	500	500	500	
Rated impulse withstand vol	tage Uimp (kV)	6	6	6	
Breaking capacity		As pe	r IS 12640 (part 1) 2008, IEC 61	008 - 1	
Rated making & breaking capacit	ty (lm)				
	- Up to 40 A	500 A	-	500 A	
	- From 63 A and above	10 x ln	630 A	630 A	
Rated residual making & breaking					
	- Up to 40 A	1000 A		1000 A	
	- From 63 A and above	1000 A	1000 A	1000 A	
Rated conditional short circuit cu		10000 A	10000 A	10000 A	
Rated conditional residual short		10000 A	10000 A	10000 A	
Rated service short circuit capaci	ity (ICS)		-	-	
Rated short circuit capacity (Icn)		25 4+ 70	-	-	
Operating temperature (°C) Endurance (0.C cycle)	- Mechanical	- 25 to 70	- 25 to 70	- 25 to 70	
Endurance (0.0 cycle)	- Mechanical - On load at in x cos Ø 0.9	20,000 10,000	20,000	20,000	
	- Via test button	2,000	2,000	2,000	
	- By fault current (sensitivity)	2,000	2,000	2,000	
Testing	, ion our en (seisinny)	By pressing test button grey dolly will come to OFF position	By pressing test button grey dolly will come to OFF position	By pressing test button, grey dolly will come to OFF position	
		It is recommended to test RCCB once a month	It is recommended to test RCCB once a month	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 access	sories*				
Auxiliary		•	•	•	
Fault signaling		•	•	•	
Shunt trip		•	•	•	
Under voltage		•	•	•	
Over voltage		•	•	•	
* - Accessories are mounted on the left ha	and side of the product.				

* - 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



		BC	BO		
	Туре АС	Type AC - 2 & 4 modules	Type Hpi	Туре А	
	IS 12640 (part 2) 2008	NFC 61 - 410	EN 61009 - 1	EN 61009 - 1	
	IEC 61009 - 1	EN 61009 - 1 IEC 61009 - 1	IEC 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	-	-	
4	30, 100, 300	30, 300	30	30, 300	
4	30, 100, 300	-	-	-	
	50	50	50 / 60	50 / 60	
+	230	230	- 230	-	
	415	415	12	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				
t					
t	10000 A	3000 A	3000 A	3000 A	
t	10000 A			-	
t	-	-	-		
	-	-		-	
1	7500 A	6000 A	6000 A	6000 A	
	10000 A	6000 A	6000 A	6000 A	
	- 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	
	By pressing test button, black	By pressing test button,	By pressing test button,	By pressing test button,	
	dolly will come to	black dolly will come to	black dolly will come to	black dolly will come to	
	OFF position	OFF position	OFF position	OFF position	
	It is recommended to test RCBO once a month	It is recommended to test RCBO once a month	It is recommended to test RCBO once a month	It is recommended to test RCBO once a month	
Black & blue dolly will come to		Black dolly will come to	Black dolly will come to	Black dolly will come to	
	OFF position	OFF position & blue indicator will	OFF position & blue indicator will	OFF position & blue indicator will	
4		appear on front face window	appear on front face window	appear on front face window	
	Black dolly will come to OFF position				
	Switch on black dolly				
	1 - 35 sq. mm	0.75 - 16 sq. mm	0.75 - 16 sq. mm	0.75 - 16 sq. mm	
t	1 - 25 sq. mm	0.75 - 10 sq. mm	0.75 - 10 sq. mm	0.75 - 10 sq. mm	
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