

## DX<sup>3</sup> RCDS

technical data for DX<sup>3</sup> RCDs

	RCCB		
	Type AC	Type A-S	Type Hpi
<b>Specification</b>	IS 12640 (part 1) 2008 IEC 61008 - 1	IEC 61008 - 1 EN 61008 - 1	EN 61008 - 1 IEC 61008 - 1
<b>No. of modules</b>	- Double pole - Four pole	2 4	2 4
<b>Electrical characteristics</b>			
<b>Nominal rating I<sub>n</sub> (A)</b>	- Double pole - Four pole	25, 40, 63, 80, 100 25, 40, 63, 80, 100	63, 80 25, 40, 63, 80
<b>Rated sensitivity (mA)</b>	- Double pole - Four pole	30, 100, 300 30, 100, 300	300 300
<b>Rated frequency (Hz)</b>		50 / 60	50 / 60
<b>Rated operating voltage U<sub>e</sub> (V AC)</b>	- Double pole - Four pole	230 230 / 415	230 400
<b>Minimum operating voltage (V AC)</b>		12	12
<b>Minimum operating voltage for test button (V AC)<sup>(1)</sup></b>			
	- Double pole - Four pole	170 196	170 196
<b>Rated insulation voltage U<sub>i</sub> (V AC)</b>	- Double pole - Four pole	250 500	250 500
<b>Rated impulse withstand voltage U<sub>imp</sub> (kV)</b>		6	6
<b>Breaking capacity</b>	As per IS 12640 (part 1) 2008, IEC 61008 - 1		
<b>Rated making &amp; breaking capacity (I<sub>m</sub>)</b>			
	- Up to 40 A - From 63 A and above	500 A 10 x I <sub>n</sub>	- 630 A
<b>Rated residual making &amp; breaking capacity (I<sub>Δm</sub>)</b>			
	- Up to 40 A - From 63 A and above	1000 A 1000 A	- 1000 A
<b>Rated conditional short circuit current (I<sub>nc</sub>)</b>		10000 A	10000 A
<b>Rated conditional residual short circuit current (I<sub>Δc</sub>)</b>		10000 A	10000 A
<b>Rated service short circuit capacity (I<sub>cs</sub>)</b>		-	-
<b>Rated short circuit capacity (I<sub>cn</sub>)</b>		-	-
<b>Operating temperature (°C)</b>		- 25 to 70	- 25 to 70
<b>Endurance (0.C cycle)</b>	- Mechanical - On load at in x cos φ 0.9 - Via test button - By fault current (sensitivity)	20,000 10,000 2,000 2,000	20,000 10,000 2,000 2,000
<b>Testing</b>	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
<b>Fault indication</b>	- Earth leakage  - Overload and shortcut	Grey dolly will come to OFF position  -	Grey dolly will come to OFF position  -
<b>Resetting</b>		Switch on grey dolly	Switch on grey dolly
<b>Terminals</b>	- Rigid - Flexible	1 - 35 sq. mm 1 - 25 sq. mm	1 - 35 sq. mm 1 - 25 sq. mm
<b>Type of protection</b>			
Earth leakage		•	•
Overload		-	-
Short circuit		-	-
<b>Add on electrical accessories*</b>			
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.  
<sup>(1)</sup> - Between phase and neutral

