

## DX<sup>3</sup> RCCBs

RCCBs for AC applications 80-100 A



## DX<sup>3</sup> RCBOs

RCBOs assembled for AC applications upto 63 A



4115 08



4117 05



4117 15



4113 24



4113 79

Technical characteristics p. 46-51

Integrated label holder  
Ergonomic Grey color dolly  
Color coded On/Off indication on dolly  
IP 20 protected terminals  
35 sq mm terminals  
Sliding shutters

Pack	Cat.Nos	DX <sup>3</sup> RCCBs	Nominal rating In (A)	Number of modules
		<b>2 pole 240 V<math>\sim</math></b>		
		<b>30 mA</b>		
1/5/60	<b>4115 07</b>		80	2
1/5/60	<b>4115 08</b>		100	2
		<b>100 mA</b>		
1/5/60	<b>4115 17</b>		80	2
1/5/60	<b>4115 18</b>		100	2
		<b>300 mA</b>		
1/5/60	<b>4115 27</b>		80	2
1/5/60	<b>4115 28</b>		100	2
		<b>4 pole 415 V<math>\sim</math></b>		
		<b>30 mA</b>		
1/32	<b>4117 05</b>		80	4
1/32	<b>4117 06</b>		100	4
		<b>100 mA</b>		
1/32	<b>4117 15</b>		80	4
1/32	<b>4117 16</b>		100	4
		<b>300 mA</b>		
1/32	<b>4117 25</b>		80	4
1/32	<b>4117 26</b>		100	4
		<b>2 pole 240 V<math>\sim</math>, HPI</b>		
		<b>30 mA</b>		
1/5/60	<b>4118 74</b>		80	2
		<b>4 pole 415 V<math>\sim</math>, HPI</b>		
		<b>30 mA</b>		
1/32	<b>4118 99</b>		80	4
		<b>4 pole 415 V<math>\sim</math>, A-S</b>		
		<b>300 mA</b>		
1/5/60	<b>4118 94</b>		80	4

Technical characteristics p. 46-51

ISI marked as per IS 12640-2  
Integrated label holder  
Ergonomic design  
Color coded On/Off indication on dolly  
Front face indication for earth leakage fault  
IP 20 protected terminals  
35 sq mm terminals  
Sliding shutters

Pack	Cat.Nos	DX <sup>3</sup> RCBOs	Nominal rating In (A)	Number of modules
		<b>2 pole 240 V<math>\sim</math>, AC Type</b>		
		<b>30 mA</b>		
1/32	<b>4113 22</b>		6	4
1/32	<b>4113 23</b>		10	4
1/32	<b>4113 24</b>		16	4
1/32	<b>4113 25</b>		25	4
1/32	<b>4113 26</b>		32	4
1/32	<b>4113 27</b>		40	4
1/32	<b>4113 28</b>		63	4
		<b>100 mA</b>		
1/32	<b>4113 29</b>		6	4
1/32	<b>4113 30</b>		10	4
1/32	<b>4113 31</b>		16	4
1/32	<b>4113 32</b>		25	4
1/32	<b>4113 33</b>		32	4
1/32	<b>4113 34</b>		40	4
1/32	<b>4113 35</b>		63	4
		<b>300 mA</b>		
1/32	<b>4113 36</b>		16	4
1/32	<b>4113 37</b>		25	4
1/32	<b>4113 38</b>		32	4
1/32	<b>4113 39</b>		40	4
1/32	<b>4113 40</b>		63	4
		<b>4 pole 415 V<math>\sim</math>, AC Type</b>		
		<b>30 mA</b>		
1/16	<b>4113 88</b>		6	7
1/16	<b>4113 89</b>		10	7
1/16	<b>4113 65</b>		16	7
1/16	<b>4113 66</b>		25	7
1/16	<b>4113 67</b>		32	7
1/16	<b>4113 68</b>		40	7
1/16	<b>4113 69</b>		63	7
		<b>100 mA</b>		
1/16	<b>4113 70</b>		16	7
1/16	<b>4113 71</b>		25	7
1/16	<b>4113 72</b>		32	7
1/16	<b>4113 73</b>		40	7
1/16	<b>4113 74</b>		63	7
		<b>300 mA</b>		
1/16	<b>4113 75</b>		16	7
1/16	<b>4113 76</b>		25	7
1/16	<b>4113 77</b>		32	7
1/16	<b>4113 78</b>		40	7
1/16	<b>4113 79</b>		63	7

# DX<sup>3</sup> RCDS

technical data for DX<sup>3</sup> 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
<b>No. of modules</b>			
- Double pole	2	2	2
- Four pole	4	4	4
<b>Electrical characteristics</b>			
<b>Nominal rating I<sub>n</sub> (A)</b>			
- 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
<b>Rated sensitivity (mA)</b>			
- Double pole	30, 100, 300	300	30
- Four pole	30, 100, 300	300	30
<b>Rated frequency (Hz)</b>	50 / 60	50 / 60	50 / 60
<b>Rated operating voltage U<sub>e</sub> (V AC)</b>			
- Double pole	230	230	230
- Four pole	230 / 415	400	400
<b>Minimum operating voltage (V AC)</b>	12	12	12
<b>Minimum operating voltage for test button (V AC)<sup>(1)</sup></b>			
- Double pole	170	170	170
- Four pole	196	196	196
<b>Rated insulation voltage U<sub>i</sub> (V AC)</b>			
- Double pole	250	250	250
- Four pole	500	500	500
<b>Rated impulse withstand voltage U<sub>imp</sub> (kV)</b>	6	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	500 A	-	500 A
- From 63 A and above	10 x I <sub>n</sub>	630 A	630 A
<b>Rated residual making &amp; breaking capacity (I<sub>Δm</sub>)</b>			
- Up to 40 A	1000 A	-	1000 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	10000 A
<b>Rated conditional residual short circuit current (I<sub>Δc</sub>)</b>	10000 A	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	- 25 to 70
<b>Endurance (0.C cycle)</b>			
- 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
<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	Grey dolly will come to OFF position	Grey dolly will come to OFF position	Grey dolly will come to OFF position
- Overload and shortcut	-	-	-
<b>Resetting</b>	Switch on grey dolly	Switch on grey dolly	Switch on grey dolly
<b>Terminals</b>			
- 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
<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

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
	<b>As per IS 12640 (part 2) 2008, IEC 61009 - 1</b>			
	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
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•