

Isolating switches DX³-IS

from 16 A to 125 A



4 065 27



4 065 44



4 064 21



4 064 45



4 064 67



4 064 86

Dimensions **see e-catalogue**
 Technical characteristics **p. 30**

AC 23 A according to IEC 60947 - 3, AC 22 A for 125 A
 Double break contacts

Pack	Cat.Nos	Remote trip head isolating switches	
		Red handle Visible contact indication Remote tripping with associated control auxiliary (p. 44) Can be fitted with motorised controls (p. 45) Visual indication of the actual status of the contacts: - Closed position (red indicator) - Open position (green indicator)	
		2P - 400 V~	
		Nominal rating In (A)	Number of modules
1	4 065 27	40	2
1	4 065 28	63	2
		3P - 400 V~	
1	4 065 35	40	3
1	4 065 36	63	3
1	4 065 38 ¹	100	4,5
1	4 065 39 ¹	125	4,5
		4P - 400 V~	
1	4 065 43	40	4
1	4 065 44	63	4
1	4 065 46 ¹	100	6
1	4 065 47 ¹	125	6

1: Can be equipped with add-on modules

Pack	Cat.Nos	Isolating switches	
		Grey handle Can be equipped with 1 DX ³ signalling auxiliary (p. 44)	
		1P - 250 V~	
		Nominal rating In (A)	Number of modules
10	4 064 00	16	1
10	4 064 01	20	1
10	4 064 19	32	1
10	4 064 20	40	1
10	4 064 21	63	1
10	4 064 23	100	1
		1P with indicator - 250 V~	
		Supplied with lamp	
10	4 064 04	20	1
10	4 064 06	32	1
		2P - 400 V~	
10	4 064 31	16	1
10	4 064 32	20	1
5	4 064 45	32	2
5	4 064 46	40	2
5	4 064 47	63	2
5	4 064 49	100	2
5	4 064 50	125	2
		2P with indicator - 400 V~	
		Supplied with lamp Do not accept auxiliaries	
10	4 064 36	20	1
10	4 064 38	32	1
10	4 064 39	40	1
		3P - 400 V~	
5	4 064 57	20	2
1	4 064 65	32	3
1	4 064 66	40	3
1	4 064 67	63	3
1	4 064 69	100	3
1	4 064 70	125	3
		4P - 400 V~	
5	4 064 77	20	2
1	4 064 85	32	4
1	4 064 86	40	4
1	4 064 87	63	4
1	4 064 89	100	4
1	4 064 90	125	4

RCCBs - DX³-ID

residual current circuit breakers 16 A to 100 A - AC, A, Hpi and B types



Technical characteristics [see e-catalogue](#)

Conform to IEC 61008 - 1

- AC type : detect sinusoidal AC residual currents
- A type : detect sinusoidal AC and pulsating DC residual currents
- Hpi type (High immunity) : detect AC and pulsating DC residual currents
- Enhanced immunity to unwanted tripping in disturbed environments
- B type : detect sinusoidal AC, pulsating DC and smooth DC residual currents

Can be equipped with DX³ signalling and remote tripping auxiliaries, except for B type (p. 44) and motorised controls (p. 45)

Pack	Cat.Nos	2-pole 230 V~			Pack	Cat.Nos	4-pole - 400 V~ - neutral on right-hand side		
		AC type					AC type		
		Sensitivity (mA)	Nominal Rating In (A)	Number of modules		Vis/vis	Sensitivity (mA)	In (A)	Number of modules
1	4 115 00	10	16	2	1	4 117 02	30	25	4
1	4 115 01	10	25	2	1	4 117 03	30	40	4
1	4 115 04	30	25	2	1	4 117 04	30	63	4
1	4 115 05	30	40	2	1	4 117 05	30	80	4
1	4 115 06	30	63	2	1	4 117 12	100	25	4
1	4 115 07	30	80	2	1	4 117 13	100	40	4
1	4 115 08	30	100	2	1	4 117 14	100	63	4
1	4 115 14	100	25	2	1	4 117 15	100	80	4
1	4 115 15	100	40	2	1	4 117 22	300	25	4
1	4 115 16	100	63	2	1	4 117 23	300	40	4
1	4 115 17	100	80	2	1	4 117 24	300	63	4
1	4 115 24	300	25	2	1	4 117 25	300	80	4
1	4 115 25	300	40	2	1	4 117 45	300 selective	40	4
1	4 115 26	300	63	2	1	4 117 46	300 selective	63	4
1	4 115 27	300	80	2	1	4 117 32	500	25	4
1	4 115 28	300	100	2	1	4 117 33	500	40	4
1	4 115 37	100 selective	100	2	1	4 117 34	500	63	4
1	4 115 43	300 selective	63	2	1	4 117 35	500	80	4
		A type					A type		
1	4 115 50	10	16	2	1	4 117 59	30	25	4
1	4 115 54	30	25	2	1	4 117 60	30	40	4
1	4 115 55	30	40	2	1	4 117 61	30	63	4
1	4 115 56	30	63	2	1	4 117 62	30	80	4
1	4 115 57	30	80	2	1	4 117 63	30	100	4
1	4 115 69	300	25	2	1	4 117 69	100	25	4
1	4 115 70	300	40	2	1	4 117 70	100	40	4
1	4 115 71	300	63	2	1	4 117 71	100	63	4
1	4 115 72	300	80	2	1	4 117 72	100	80	4
1	4 115 84	300 selective	63	2	1	4 117 73	100	100	4
		Hpi type					Hpi type		
1	4 115 90	30	25	2	1	4 117 79	300	25	4
1	4 115 91	30	40	2	1	4 117 80	300	40	4
1	4 115 92	30	63	2	1	4 117 81	300	63	4
		B type					B type		
		Accept auxiliary contact Cat.No 4 062 59 only (p. 44)					Accept auxiliary contact Cat.No 4 062 59 only (p. 44)		
1	4 118 42	30	40	4	1	4 117 83	300	100	4
1	4 118 43	30	63	4	1	4 118 00	300 selective	40	4
1	4 118 44	300	40	4	1	4 118 01	300 selective	63	4
1	4 118 45	300	63	4	1	4 117 89	500	25	4
		4-pole - 400 V~ - neutral on left-hand side					4-pole - 400 V~ - neutral on left-hand side		
		B type					B type		
		Accept auxiliary contact Cat.No 4 062 59 only (p. 44)					Accept auxiliary contact Cat.No 4 062 59 only (p. 44)		
1	4 118 46	30	40	4	1	4 117 90	500	40	4
1	4 118 47	30	63	4	1	4 117 91	500	63	4
1	4 118 48	300	40	4	1	4 117 92	500	80	4
1	4 118 49	300	63	4	1	4 117 93	500	100	4

Auxiliaries, accessories and remote control **p. 44-45**



Isolating switches DX³-IS

technical characteristics

DX³-IS remote trip head isolating switches

Electrical characteristics

Thermal rating (Ith)	40 - 63 A 1 module/pole	100 - 125 A 1.5 module/pole
Terminals	Cage	Cage
Connection	flexible 1.5 to 25 mm ² rigid 1.5 to 35 mm ²	6 to 50 mm ² 6 to 70 mm ²
Insulation voltage (Ui)	500 V ~	500 V ~
Impulse withstand voltage (Uimp)	6 kV	6 kV
Category of use ⁽¹⁾	AC 22A / AC 23A	100 A = AC 22A / AC 23A 125 A = AC 22A
Short time withstand current (Icw)	1000 A during 1 s 1700 A during 0.5 s	1000 A during 1 s 1500 A during 0.5 s
Short-circuit making capacity (Icm)	3000 A	1500 A
No. of electrical operations	15000	10000
Protection index	IP 2X wired	IP 2X wired

(1) test conditions according to IEC 60947-3
AC 22 A: combined motor/resistor breaking with frequent operations
AC 23 A: inductive motor breaking at In/2 with frequent operations

DX³-IS isolating switches

Electrical characteristics

Thermal rating (Ith)	16 - 40 A 0.5 module/pole	40 - 63 A 1 module/pole	100 - 125 A 1 module/pole
Terminals	Cage	Cage	Cage
Connection	flexible 1.5 to 10 mm ² rigid 1.5 to 16 mm ²	1.5 to 25 mm ² 1.5 to 35 mm ²	4 to 35 mm ² 4 to 50 mm ²
Insulation voltage (Ui)	500 V ~	500 V ~	500 V ~
Impulse withstand voltage (Uimp)	6 kV	6 kV	6 kV
Category of use ⁽¹⁾	AC 22 A	AC 22 A	AC 22 A
Short time withstand current (Icw)	750 A	2000 A	2500 A
Short-circuit making capacity (Icm)	1500 A	3000 A	3700 A
No. of electrical operations	30000	20000	5000
Protection index	IP 2X wired	IP 2X wired	IP 2X wired

(1) test conditions according to IEC 60947-3
AC 22 A: combined motor/resistor breaking with frequent operations

RCCBs DX³-ID

technical characteristics

DX³-ID - RCCBs (residual current circuit breakers)

Connection cross-section

RCCBs	Cable (mm ²)	
	Rigid	Flexible
Connection at top and bottom	50	35

AC type - Standard applications

AC type RCCBs detect sinusoidal AC residual currents
In the majority of cases (standard applications), they are used for AC current detection at 50 Hz

A type - Specific applications: dedicated lines

In addition to the characteristics of AC type RCCBs, A type RCCBs also detect pulsating DC residual currents
They are used whenever fault currents are not sinusoidal
They are particularly suitable for the following specific applications: hobs, washing machines or materials that may produce DC fault currents, speed drives with frequency inverters, etc.

G type - Same applications like A type

Meet the requirements of ÖVE/ÖNORM E 8601 standard

B type - Specific applications: dedicated lines

In addition to the characteristics of A type RCCBs, B type RCCBs also detect smooth DC residual currents
They are used whenever fault currents are not sinusoidal
They are particularly suitable for the following specific applications: speed drives and inverters for supplying motors for pumps, lifts, textile machines, machine tools, photovoltaic installations, call centres, medical equipment, etc.

Hpi type - Special applications

Type Hpi RCCBs are devices which offer additional immunity to unwanted tripping which significantly exceeds the level required by the standard.

They are also able to detect AC and DC residual currents (A type)
Operation between - 25 °C and + 40 °C

They are used in special applications where:

- Loss of information is potentially damaging, e.g. power supply lines for computer equipment (banks, equipment on military bases, flight reservation centres, etc.)
- Loss of operation is potentially damaging (automated machinery, medical equipment, freezer cable, etc.)

They are also used:

- On sites where there is an increased risk of lightning strikes
- On sites where cables are subject to high levels of interference (use of fluorescents, etc.)
- On sites where very long cables are used
- For spaces with chlorinated swimming pool-type atmosphere