DX³ auxiliaries

Auxiliaries common for MCBs, Isolators, RCCBs & RCBOs

N


4062 50


4062 52


4062 78


4062 82

Technical characteristics **p. 52**

Easy & fast fixation on site
On site clip on mounting
Clip on fitting on left side

Pack	Cat.Nos		Number of modules
		Signalling auxiliaries	
1	**4062 50**	Auxiliary changeover switch 6 A	0.5
1	**4062 52**	Fault signalling changeover switch 6 A	0.5
1	4062 64	Changeover + fault signalling switch	1
		Control auxiliaries	
1	4062 76	Shunt release 12 /48 V AC/DC	1
1	4062 78	Shunt release 110/415 V AC	1
1	4062 80	Undervoltage release 24/48 V AC/DC	1
1	4062 82	Undervoltage release 230 V AC	1
1	4062 86	Pop over voltage release	1
1	4062 90	Motor control 24/48 V AC/DC	1
1	4062 91	Motor control 230 V AC	1
1	4062 93	Motor control auto reset 24/48 V AC/DC	2
1	4062 95	Motor control auto reset 230 V AC	2
1	4062 88	Automatic resetter	2
1	4062 89	Automatic resetter with autotest	2
		Rotary handle	
10	4063 19	Black rotary handle	-
10	4063 20	Yellow/red rotary handle	-
		Support for padlock	
10	4063 03	Support for padlock till 63 A	-
		Sealable screw cover	
10	4063 04	Devices upto 63 A	-
10	4063 06	For 80-125 A devices	-
		1/2 module spacing unit	
10	4063 07	1/2 module spacing unit	0.5
		5mm padlock	
10	4063 13	1/2 module spacing unit	-

DX³ auxiliaries

Manual changover switch

N

Compact design
Manual switching operation
Easy to assemble
Ergonomic design

Pack	Cat.Nos		Number of modules
		For 1 mod/pole MCBs and ISs	
5	4063 14	Manual change-over switch for DP	2
5	4063 15	Manual change-over switch for TP	3
5	4063 16	Manual change-over switch for FP	3

Bold catalogue numbers are products normally available with Legrand (India) stockists. **Cat.Nos that are not bold** - delivery within 4 - 8 weeks from the date of order.
Bold packing quantity is our mandatory packing. Orders to be placed by Legrand (India) stockists in multiples of the same.
Red catalogue numbers: New products

Operating principle

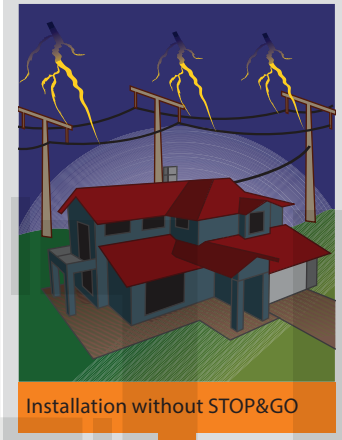
Temporarily electrical disturbances and other external events can cause unwanted tripping of different devices protecting electrical installation

STOP&GO verifies automatically the state of the installation, before resetting and launches a visual and close a contact in case of permanent fault detection (short-circuit or residual current)

After verifying the state of the installation, STOP&GO automatic resets the associated protection device in order to immediatly re-establish power supply and avoid unwanted consequences

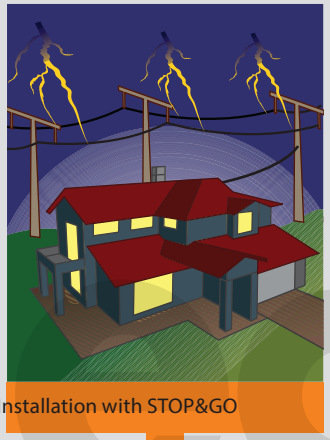
STOP&GO does not protect the installation against lightning strikes
For an efficient protection against lightning, use voltage surge protectors

The Autotest version is specially suitable for installations equipped with residual current protection devices (RCD's and RCBOs)
STOP&GO periodically does an automatic test of the functionning of residual current protection devices. The manual test is no longer needed



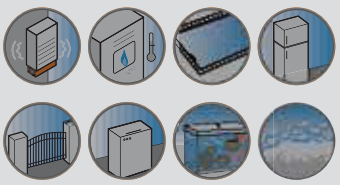
Installation without STOP&GO

Mains fault due to temporarily electrical disturbances
Electrical devices are not powered anymore



Installation with STOP&GO

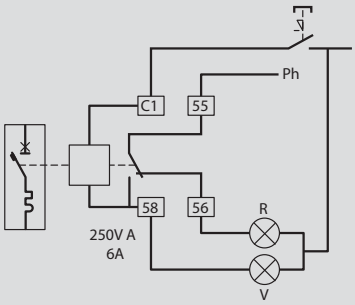
STOP&GO automatic resets the associated protection device in order to immediatly re-establish power supply



Technical characteristics of auxiliaries

Max. connection cross-section: 2.5 mm²
Operating temperature: - 25 °C to + 70 °C

Shunt trips



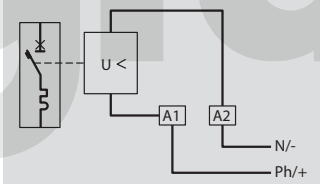
Nominal voltage (Un)
- 12 to 48 V ± and =
- 110 to 415 V ± and 110 to 125 V=

Equipped with a signalling contact which indicates tripping of the shunt trip and automatically breaks the coil.
Min. and max. voltage: 0.7 to 1.1 Un
Tripping time: less than 20 ms
Power consumption: at 1.1 x 48 V = 121 VA
at 1.1 x 415 V = 127 VA
Impedance: 12 to 48 V = 23 Ω
110 to 415 V = 1640 Ω

Consumption	Umin.	Umax.
12 to 48 V	522 mA	2610 mA
110 to 415 V	69 mA	259 mA

Undervoltage releases

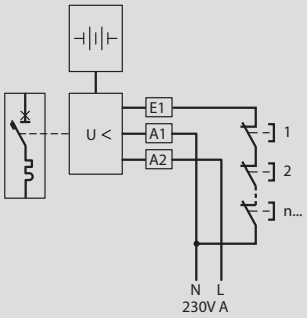
Pull-in voltage ≥ 0.55 Un
Tripping time: 0 to 300 ms ± 10% (adjustable)
Power consumption: 24 V A and = : 0.1 VA
48 V A and = : 0.2 VA
230 V ± : 1 VA



Nominal voltage:
24 and 48 V A and =
230 V ±

Stand-alone releases for N/C push-buttons

Min. and max. operating voltage: 196 to 250 V ±
Power consumption: 1.4 VA

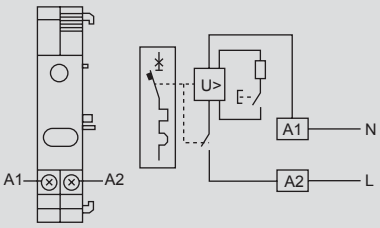


Signalling auxiliaries

Umin.: 24 V ± /= and Imin.: 5 mA

Electric wiring diagram

Cat.No 4062 86

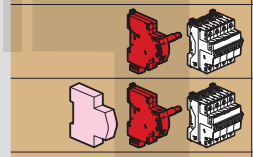


Tripping time:

Limit values of breaking time and non actuation time at a voltage

	255 V	275 V	300 V	350 V	400 V
Breaking time	No tripping	15 Sec	5 Sec	0.75 Sec	0.20 Sec
Non actuation time		3 Sec	1 Sec	0.25 Sec	0.07 Sec

Combinations with auxiliaries:

	CA / SD / ET / MT / DA		CM	
			4062 91/ 93/95	
		4062 58/ 60/62/66	4062 91/ 93/95	
	4062 58/ 60/62/76/78/ 80/82/84/87	4062 58/ 60/62	4062 91	
	4062 58/ 60/62/66/76/ 78/80/82/84/87	4062 66		
	4062 58/ 60/62	4062 58/ 60/62	4062 93/95	
	4062 58/ 60/62/66	4062 66		

Protection of DC circuits

DX³ 6000 and DX ³ 10000 MCBs (1P/2P/3P/4P - In ≤ 63 A) designed for use in 230/400 V ± supplies, can also be used in DC circuits
In this case, the following deratings and precautions must be taken into account

1 - Protection against short-circuits

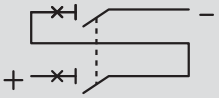
Max. magnetic tripping threshold: multiplied by 1.4
Example: For a C curve MCB for which the AC tripping threshold is between 5 and 10 In, the DC tripping threshold will be between 7 and 14 In

2 - Protection against overloads

The time/current thermal tripping curve is the same as for AC

3 - Operating voltage

Max. operating voltage: 80 V per pole (60 V for single-pole + N MCBs)
For voltages higher than this value, several poles must be wired in series

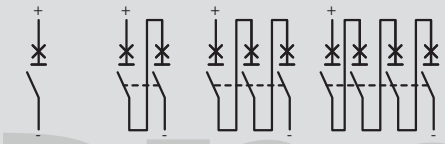


Example: for a 110 V voltage, use a 2-pole MCB and connect the 2 poles in series

4 - Breaking capacity

4000 A for a single pole MCB at max. voltage (80 V = per pole)

For other voltages, the breaking capacities are as follows:



DX³ 6000		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	6 kA	6 kA		
		110 V		6 kA	6 kA	
		230 V				10 kA
	Ics(1)	≤ 48 V	100 %	100 %		
		110 V		100 %	100 %	
		230 V				100 %

DX³ 10000		voltage	single-pole	2P	3P	4P
Acc. to IEC 60947.2	Icu	≤ 48 V	10 kA	10 kA		
		110 V		10 kA	10 kA	
		230 V				15 kA
	Ics(1)	≤ 48 V	100 %	100 %		
		110 V		100 %	100 %	
		230 V				100 %

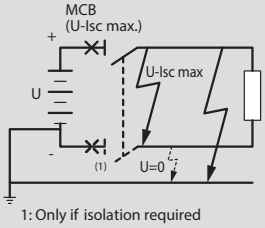
1: As a % of Icu

5 - Distribution of breaking poles

To choose the MCB and determine the pole distribution necessary for breaking on each of the polarities, it is necessary to know how the installation is earthed

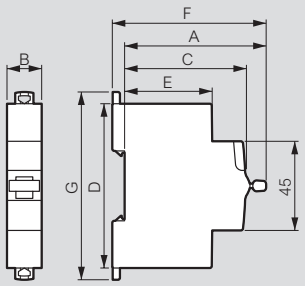
- **Supply with one polarity earthed:**

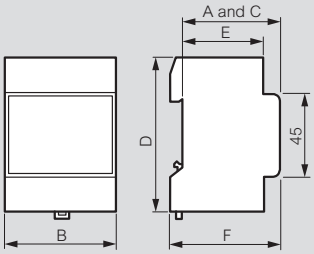
Place all the poles necessary for breaking on the other polarity If isolation is required, an additional pole must be added on the earthed polarity



1: Only if isolation required

Dimensions of din-rail equipment





Product	A	B					C	D	E	F	G
		1P	1P+ N	2P	3P	4P					
RX³ MCBs	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	88.9
RX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	88.9
TX³ MCBs	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	88.9
TX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	88.9
Isolating switches DX³	71.7	17.8		17.8/ 35.4	35.6/ 53.1	35.6/ 70.8	61	83	44	77.8	94.8
Remote trip head isolating switches DX³ up to 63A - 1 mod/pole	71.7			35.4	53.1	70.8	61	83	44	77.9	94.8
Remote trip head isolating switches DX³ 100/125A - 1.5 mod/pole	73				80.1	106.8	61	96	47	79	104.3
DX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	94.8
1P DX³ RCBOs (up to 45A)	68	17.7					60	115	48	74	126.8
1P+N DX³ RCBOs (up to 40A) & 4P (up to 32A)	71.7		35.6			71.2	61	83	44	77.8	94.8
2P & 4P DX³ RCBOs (40A to 63A)	72			71.2		124.6	61	96	44	78.2	107.8
1P+N DX³ MCBs 1 mod	71.7		17.8				61	83	44	77.8	94.8
DX³ MCBs - 1 mod/pole	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	94.8
DX³ MCBs - 1,5 mod/pole	73.1	26.7		53.4	80.1	106.8	61	100	47	79	104.3
DX³ add-on modules up to 63A - 1 mod/pole	72			35.6	53.4	53.4	61	96	44	78.2	107.8
DX³ add-on modules up to 63A - 1.5 mod/pole	72			35.6	53.4	53.4	61	96	47	78.2	116.7
DX³ add-on modules 80 to 125A - 1.5 mod/pole	72			71.2	106.8	106.8	61	114	47	78.2	129
DX³ auxiliaries	71.5	8.8 / 17.7					61	83	44	77.7	84.5
DX³ remote control	74.3	17.7 / 35.4					61	83	44	80.5	98.8
DX³ Stop&Go automatic resetting	74.3	35.4					61	83	44	80.5	113.7
Change-over switches	68	17.7		35.6			60	83	44	74	94
CX³ latching relays	64	17.8		17.8	35.6	35.6	61	84.5	44	70.2	94.8
CX³ contactors up to 25A	66.3/ 61	17.8		17.8	35.6	35.6	61	84.5	44	72.6/ 67.3	94.8
CX³ contactors 40A & 63A	62			35.6	53.4	53.4	60	83	44	68	94
Auxiliaries for CX³ contactors and latching relays	61	9/17.8					61	84.5	44	67	84.5
Push-buttons / control switches	68	17.7					60	83	44	74	94
Indicators	68	17.7					60	83	44	69	94
Bells and buzzers	60	17.7					60	76	44	66	85
Light sensitive switches											
Cat.Nos 0 037 21, 4 126 23	60	35.6					60	85	37.5	66	70
Socket outlets	60	44.5					60	83	44	66	92
Time delay relays	60	17.7					60	83	44	66	94
Remote control dimmers											
Cat.No 0 036 58	60	36					60	83	44	66	94
Cat.No 0 036 60	60	72					60	83	44	66	94
Cat.No 0 036 71	60	108					60	83	44	66	94

Description		A	B	C	D	E	F
Programmable time switches	0 037 05	60	17.8	60	83	44	66
	4 127 80/90/94	60	17.8	60	83	44	66
	4 127 95, 4 128 12/13	60	53	60	83	44	66
	4 126 31/33/41	60	35.6	60	83	44	66
	4 126 54/57	60	35.6	60	83	44	66
	0 047 70	60	90	60	83	44	66
Transformers and power supplies							
	0 042 10/30/31	60	72	60	83	44	66
	4 130 91	60	35.8	60	83.5	44	66
	4 130 92/93/96	60	71.5	60	83.5	44	66
	4 130 98	60	89	60	94	44	66
	0 047 91/92	60	105	60	95	44	66
	4 131 05/06/07/08	60	89	60	95	44	66
	0 047 93	60	70	60	95	44	66
Residual current relay							
	0 260 88	60	35.5	60	89	44	66