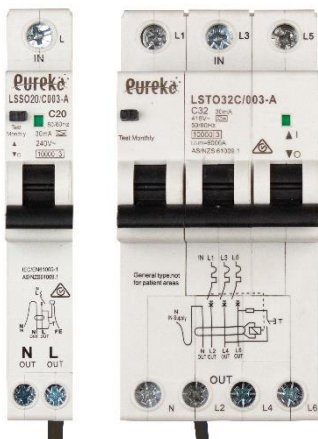


Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□

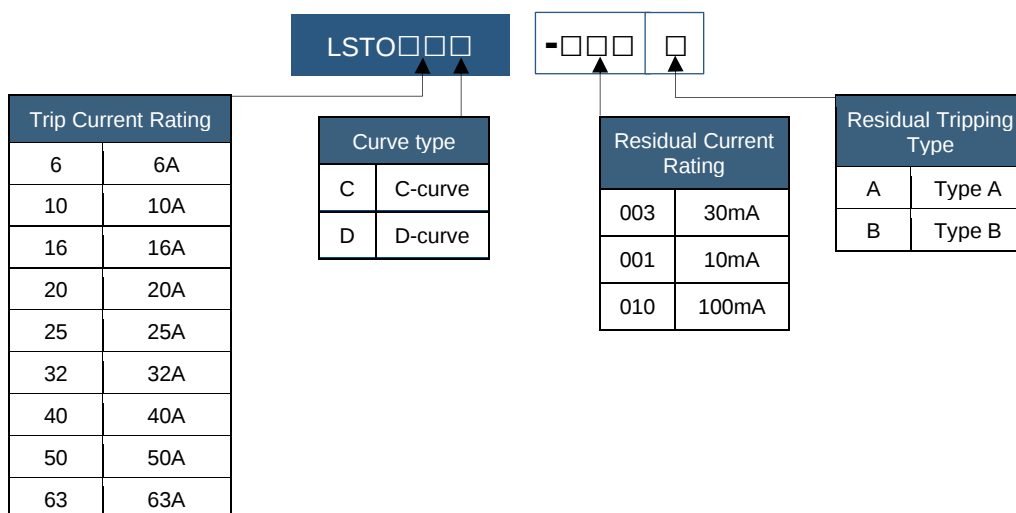
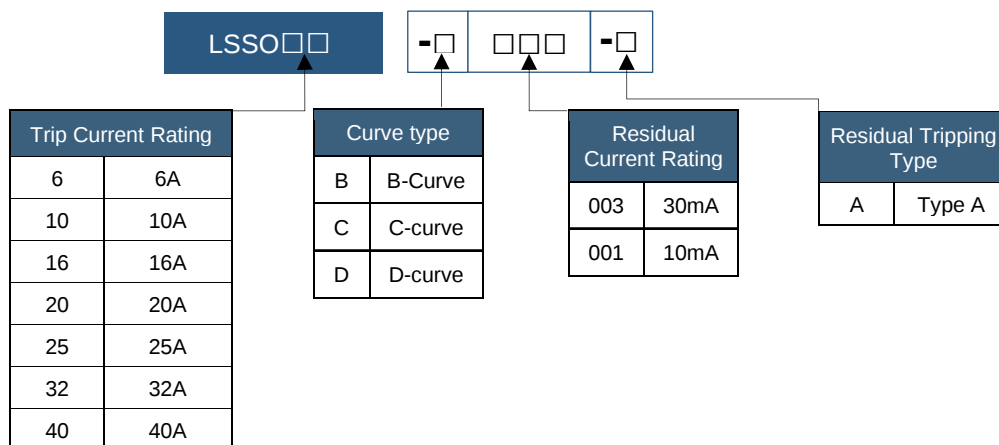


Residual Current Circuit Breaker with Overload Protection



RCBO 10kA C, D Curve 6A-63A

- Overload and short circuit protection
- Earth leakage and residual current protection
- 17.8mm Pitch
- Easy Mounting on 35mm DIN rail
- 1 Pole & 3 Pole Range
- Breaking Capacity 10kA
- B, C, D curve option
- Thermal Magnetic release
- Standards: Conforming to AS/NZS 61009.1:2015
- Approval: RCM, RoHS



Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□

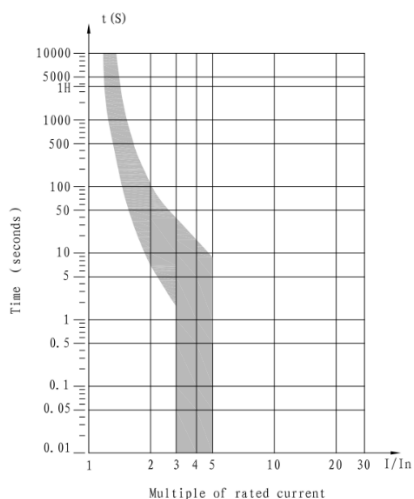


Residual Current Circuit Breaker with Overload Protection

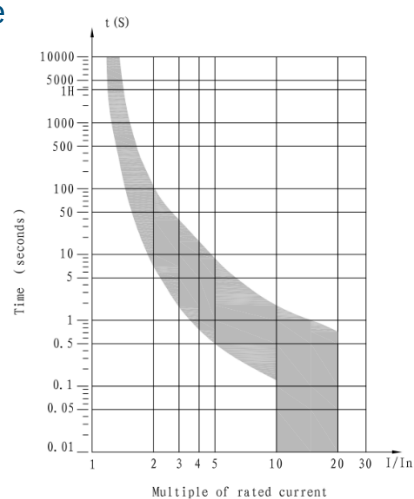
Characteristics	
Product Range	Eureka RCBO Range
Protection	Overload and short circuit Earth Leakage and Residual Current
Number of poles	1P, 3P
Rated Current (A)	Type A: 6, 10, 16, 20, 25, 32, 40, 50, 63 Type B: 16, 20, 32, 40
Rated Voltage	1 Pole: 230/240VAC 50/60Hz 2,3,4 Pole: 400/415VAC 50/60Hz
Characteristic	B, C, D curve
Breaking Capacity	I _{cn} =10kA I _{cs} =7.5kA
Terminal	Pillar
Terminal capacity	Cables up to 25mm ²
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole
Endurance Electrical	10,000 operations
Endurance Mechanical	30,000 operations
IP degree	IP20
Standard	Conforming to IEC/EN61009-1

Characteristic Curve

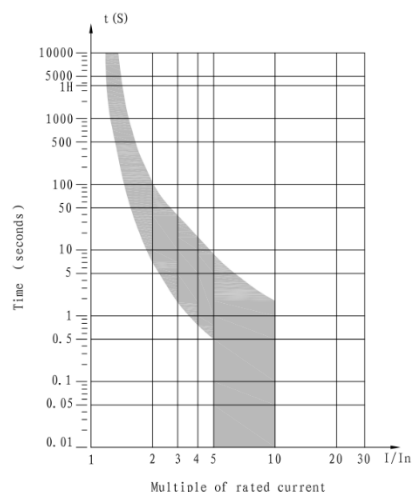
B-Curve



D-Curve



C-Curve



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Eureka MCB LSSO & LSTO Range
 May 2025

Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□



Residual Current Circuit Breaker with Overload Protection

Temperature Compensation Table

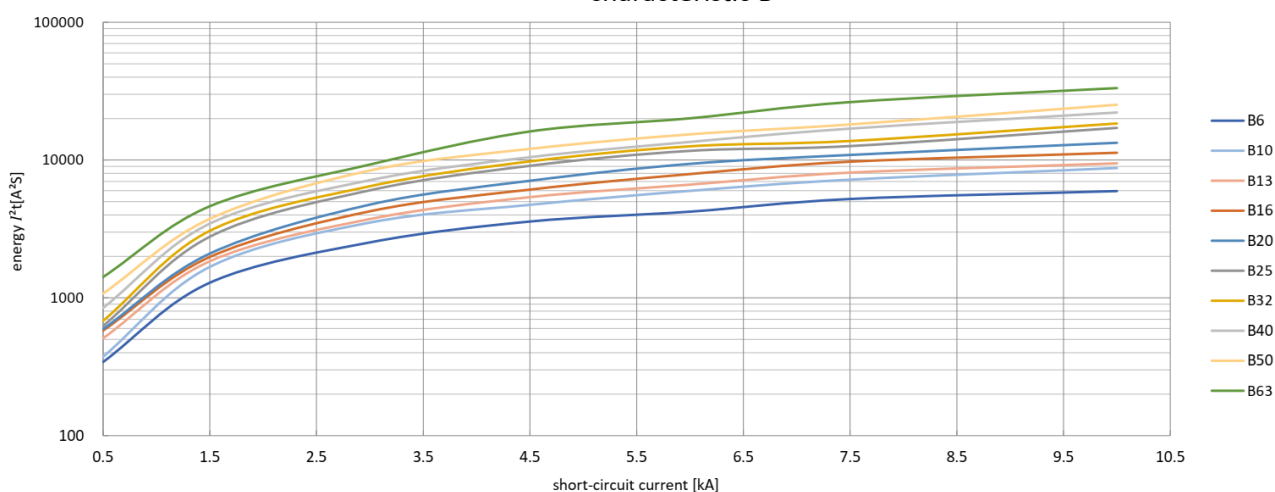
In(A)	-40	-30	-20	-10	0	10	20	30	40	50	60
0.5	0.61	0.60	0.59	0.57	0.59	0.54	0.52	0.50	0.47	0.44	0.41
1	1.22	1.20	1.18	1.15	1.12	1.09	1.05	1.00	0.94	0.88	0.82
1.6	1.95	1.92	1.89	1.84	1.79	1.74	1.68	1.60	1.51	1.42	1.32
2	2.44	2.40	2.36	2.30	2.24	2.18	2.10	2.00	1.88	1.77	1.65
4	4.88	4.80	4.72	4.61	4.49	4.36	4.20	4.00	3.77	3.55	3.29
6	7.32	7.20	7.09	6.91	6.73	6.54	6.31	6.00	5.66	5.33	4.94
10	12.20	12.00	11.80	11.50	11.20	10.90	10.50	10.00	9.44	8.89	8.23
13	15.90	15.60	15.40	14.90	14.50	14.10	13.60	13.00	12.20	11.50	10.70
16	19.50	19.20	18.90	18.40	17.90	17.40	16.80	16.00	15.10	14.20	13.20
20	24.40	24.00	23.60	23.00	22.40	21.80	21.00	21.00	18.80	17.70	16.50
25	30.50	30.00	29.50	28.80	28.00	27.20	26.30	25.00	23.60	22.20	20.60
32	39.00	38.40	37.80	36.90	35.90	34.90	33.60	32.00	30.20	28.40	26.30
40	48.80	48.00	47.80	46.10	44.90	43.60	42.00	40.00	37.70	35.50	32.90
50	61.00	60.00	59.10	57.60	56.10	54.50	52.60	50.00	47.20	44.40	41.20
63	76.90	75.60	74.40	72.60	70.70	68.70	66.20	63.00	59.40	56.00	51.90

Short-Circuit Let-through current I^2t (kA²s)

B-Curve

		In [A]										
		B6	B10	B13	B16	B20	B25	B32	B40	B50	B63	
Icc [kA]	0.5	342.42	373.51	508.49	578.87	593.69	625.27	681.05	844.49	1074.72	1416.11	I^2t [A ² s]
	1.5	1287.67	1677.63	1843.09	1979.28	2094.97	2777.22	3065.35	3457.18	3744.06	4621.67	
	3	2525.77	3517.34	3729.58	4248.04	4748.56	6032.56	6454.89	7141.06	8395.00	9276.61	
	4.5	3580.83	4733.02	5380.58	6103.13	7073.39	9085.00	9774.75	10488.50	12054.33	16120.83	
	6	4222.24	5976.06	6632.49	7910.44	9383.17	11664.08	12581.67	13538.33	15367.99	20093.28	
	7.5	5216.83	7205.27	8108.84	9728.39	10894.33	12631.44	13748.67	16904.50	18122.67	26331.17	
	10	5953.83	8749.33	9464.06	11296.39	13346.78	17114.67	18420.28	22132.56	25200.50	33283.11	

characteristic B



Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□

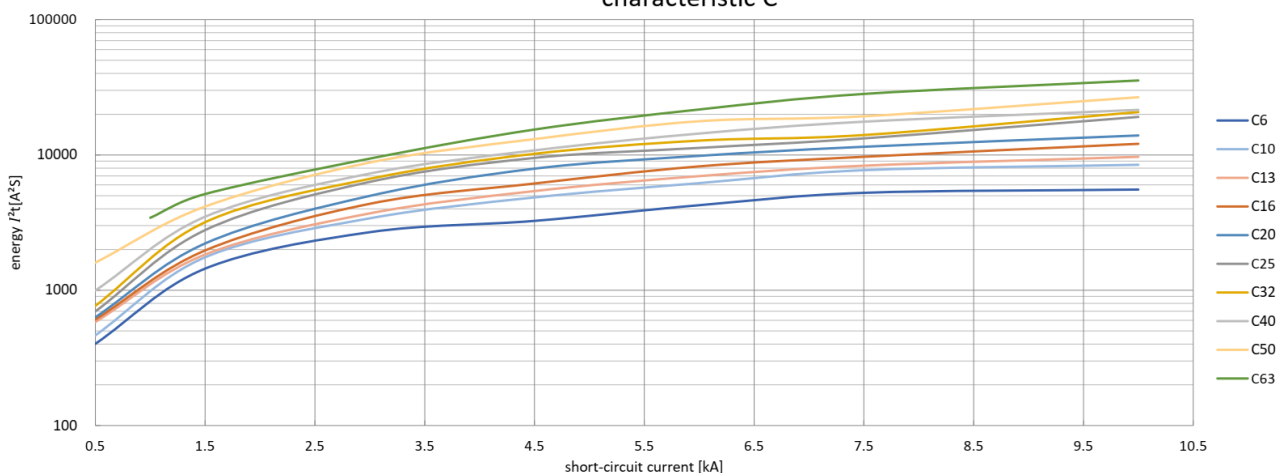


Residual Current Circuit Breaker with Overload Protection

C-Curve

		In [A]										
		C6	C10	C13	C16	C20	C25	C32	C40	C50	C63	
Icc [kA]	0.5	401.67	463.76	582.23	607.24	631.36	697.56	766.37	995.32	1599.11	3430.89	I ² t [A ² s]
	1.5	1444.62	1751.45	1836.83	1967.76	2217.28	2782.83	3182.44	3494.96	4155.03	5141.28	
	3	2685.38	3401.33	3699.34	4354.62	4982.35	6322.88	6659.83	7285.11	8785.67	9395.22	
	4.5	3255.52	4850.78	5406.61	6149.89	7918.22	9510.28	10197.31	10806.33	13092.50	15410.06	
	6	4250.42	6188.56	6972.42	8231.06	9842.94	11270.22	12760.44	14390.89	17751.17	21669.61	
	7.5	5248.53	7713.50	8325.45	9690.56	11493.56	13255.83	14034.56	17608.44	19309.50	28237.00	
	10	5546.72	8455.17	9681.50	12084.56	13928.72	19102.11	20748.61	21539.94	26699.44	35511.89	

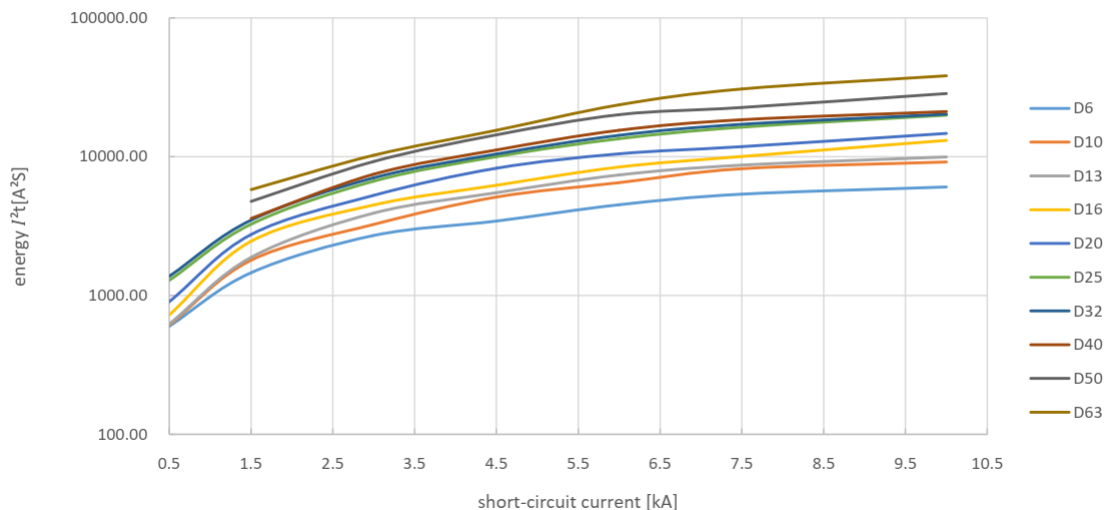
characteristic C



D-Curve

		In [A]										
		D6	D10	D13	D16	D20	D25	D32	D40	D50	D63	
Icc [kA]	0.5	598.88	611.78	622.22	722.95	900.39	1281.08	1373.40				I ² t [A ² s]
	1.5	1457.24	1795.48	1878.82	2458.44	2749.81	3257.27	3488.95	3590.18	4767.40	5781.03	
	3	2699.07	3251.71	3914.91	4489.70	5252.69	6648.05	7029.69	7472.58	9216.13	10217.08	
	4.5	3439.40	5104.27	5488.60	6228.09	8262.05	10002.73	10432.28	11180.22	14330.14	15497.84	
	6	4494.66	6482.60	7367.94	8410.95	10486.35	13438.84	14261.96	15486.55	20053.74	23589.99	
	7.5	5356.30	8191.35	8679.08	10021.27	11816.21	16308.19	17073.21	18451.94	22568.92	30699.69	
	10	6033.59	9139.49	9954.95	13069.37	14696.00	19916.46	20189.76	21153.00	28508.45	38173.80	

characteristic D



Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□

Residual Current Circuit Breaker with Overload Protection



List of Part Numbers - LSSO*	
LSSO6-C003-A	RCBO EUREKA 1 POLE 6A 30mA C CURVE TYPE A
LSSO6-D003-A	RCBO EUREKA 1 POLE 6A 30mA D CURVE TYPE A
LSSO10-B003-A	RCBO EUREKA 1 POLE 10A 30mA B CURVE TYPE A
LSSO10-C001-A	RCBO EUREKA 1 POLE 10A 10mA C CURVE TYPE A
LSSO10-C003-A	RCBO EUREKA 1 POLE 10A 30mA C CURVE TYPE A
LSSO10-D003-A	RCBO EUREKA 1 POLE 10A 30mA D CURVE TYPE A
LSSO16-B003-A	RCBO EUREKA 1 POLE 16A 30mA B CURVE TYPE A
LSSO16-C001-A	RCBO EUREKA 1 POLE 16A 10mA C CURVE TYPE A
LSSO16-C003-A	RCBO EUREKA 1 POLE 16A 30mA C CURVE TYPE A
LSSO16-D003-A	RCBO EUREKA 1 POLE 16A 30mA D CURVE TYPE A
LSSO20-B003-A	RCBO EUREKA 1 POLE 20A 30mA B CURVE TYPE A
LSSO20-C001-A	RCBO EUREKA 1 POLE 20A 10mA C CURVE TYPE A
LSSO20-C003-A	RCBO EUREKA 1 POLE 20A 30mA C CURVE TYPE A
LSSO20-D003-A	RCBO EUREKA 1 POLE 20A 30mA D CURVE TYPE A
LSSO25-C001-A	RCBO EUREKA 1 POLE 25A 10mA C CURVE TYPE A
LSSO25-C003-A	RCBO EUREKA 1 POLE 25A 30mA C CURVE TYPE A
LSSO25-D003-A	RCBO EUREKA 1 POLE 25A 30mA D CURVE TYPE A
LSSO32-C003-A	RCBO EUREKA 1 POLE 32A 30mA C CURVE TYPE A
LSSO32-D003-A	RCBO EUREKA 1 POLE 32A 30mA D CURVE TYPE A
LSSO40-C003-A	RCBO EUREKA 1 POLE 40A 30mA C CURVE TYPE A
LSSO40-D003-A	RCBO EUREKA 1 POLE 40A 30mA D CURVE TYPE A

List of Part Numbers - LSTO*	
LSTO6C-003A	RCBO EUREKA 3 POLE 6A 30mA C CURVE TYPE A
LSTO10C-003A	RCBO EUREKA 3 POLE 10A 30mA C CURVE TYPE A
LSTO10D-003A	RCBO EUREKA 3 POLE 10A 30mA D CURVE TYPE A
LSTO16C-001A	RCBO EUREKA 3 POLE 16A 10mA C CURVE TYPE A
LSTO16C-003A	RCBO EUREKA 3 POLE 16A 30mA C CURVE TYPE A
LSTO16C-003B	RCBO EUREKA 3 POLE 16A 30mA C CURVE TYPE B
LSTO16D-003A	RCBO EUREKA 3 POLE 16A 30mA D CURVE TYPE A
LSTO20C-001A	RCBO EUREKA 3 POLE 20A 10mA C CURVE TYPE A
LSTO20C-003A	RCBO EUREKA 3 POLE 20A 30mA C CURVE TYPE A
LSTO20C-003B	RCBO EUREKA 3 POLE 20A 30mA C CURVE TYPE B
LSTO20D-003A	RCBO EUREKA 3 POLE 20A 30mA D CURVE TYPE A
LSTO25C-003A	RCBO EUREKA 3 POLE 25A 30mA C CURVE TYPE A
LSTO25D-003A	RCBO EUREKA 3 POLE 25A 30mA D CURVE TYPE A
LSTO32C-003A	RCBO EUREKA 3 POLE 32A 30mA C CURVE TYPE A
LSTO32C-003B	RCBO EUREKA 3 POLE 32A 30mA C CURVE TYPE B
LSTO32C-010A	RCBO EUREKA 3 POLE 32A 100mA C CURVE TYPE A
LSTO32D-003A	RCBO EUREKA 3 POLE 32A 30mA D CURVE TYPE A
LSTO40C-003A	RCBO EUREKA 3 POLE 40A 30mA C CURVE TYPE A
LSTO40C-003B	RCBO EUREKA 3 POLE 40A 30mA C CURVE TYPE B
LSTO40C-010A	RCBO EUREKA 3 POLE 40A 100mA C CURVE TYPE A
LSTO40D-003A	RCBO EUREKA 3 POLE 40A 30mA D CURVE TYPE A
LSTO50C-003A	RCBO EUREKA 3 POLE 50A 30mA C CURVE TYPE A
LSTO50C-010A	RCBO EUREKA 3 POLE 50A 100mA C CURVE TYPE A
LSTO50D-003A	RCBO EUREKA 3 POLE 50A 30mA D CURVE TYPE A
LSTO63C-003A	RCBO EUREKA 3 POLE 63A 30mA C CURVE TYPE A
LSTO63C-010A	RCBO EUREKA 3 POLE 63A 100mA C CURVE TYPE A
LSTO63D-003A	RCBO EUREKA 3 POLE 63A 30mA D CURVE TYPE A

*Additional options may be available upon request or special order.



N.A.W. Controls Pty. Ltd.
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Eureka MCB LSSO & LSTO Range
 May 2025

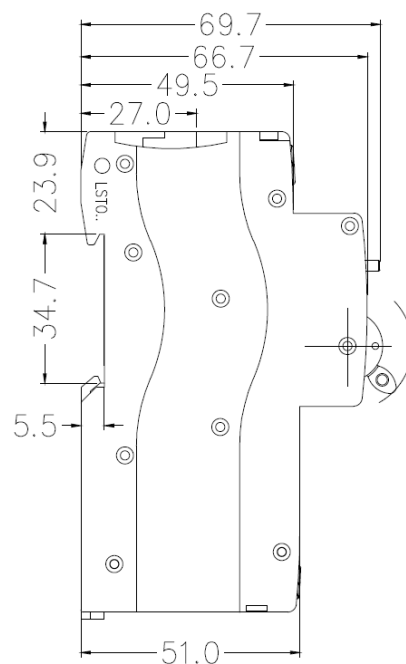
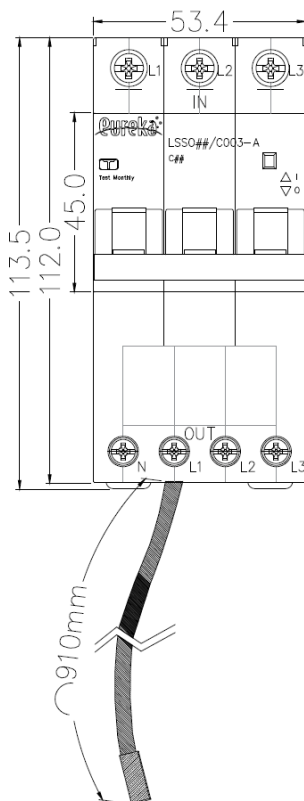
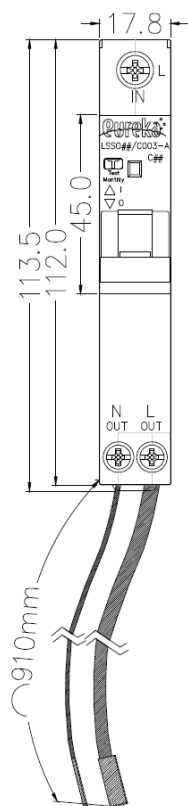
Catalogue number: **LSSO**□□-□□□-□
LSTO□□□-□□□□

Residual Current Circuit Breaker with Overload Protection

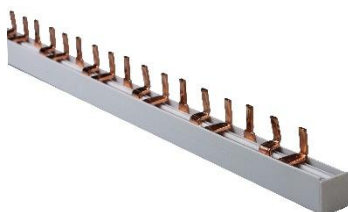
eureka*

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Dimensions



Accessories



BB101

1m length commoning bar 1 pole

BB301

1m length commoning bar 3 poles



MCBLDOG

Lock dog to suit all miniature circuit breaker



EUR-PF6

6 Pole pole filler

****All accessories must be ordered separately; they do not come with the product.**

N.A.W.
CONTROLS

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