

METAL ENCLOSED LOAD BREAK SWITCH



FUNCTION OF ENCLOSURES

- Isolation with positive break indication
- On load disconnection for mechanical maintenance with lockout
- On load breaking and emergency stop



CONFORMITY STANDARDS

- IEC 60364
- IEC 60947-3
- IEC 61439-2
- IEC 60204-1



TRIPLE PADLOCKING

Safe maintenance lockout with 3 padlocks while in open position



POSITIVE BREAK INDICATION

Operating Handle clearly indicates the "opened" or "closed" positions of the switch



OPERATOR SAFETY

Protection of operators against accidental start-up of machines



QUICK AND EASY IMPLEMENTATION

Ample space within the enclosure to facilitate connection



ROBUST DESIGN

Adapted to mechanical risk and dust hazard. High operating cycles.

IP65 TESTED



IP55 TESTED



socomec
Innovative Power Solutions

Our range of Metal Enclosed Load Break Switch are equipped with Socomec Switchgear

- ✓ Standard rating from 20A to 630A. Available up to 1,600A on request
- ✓ Auxiliary contact available upon request
- ✓ Incorporated with SOCOMEC Load Break Switch
- ✓ Galvanised Steel RAL 7032 polyester textured finish
- ✓ Hinged door
- ✓ 4P & 3P+N version available
- ✓ Fully rated AC23 suitable for distribution & motor loads
- ✓ 4 wall mounting brackets provided
- ✓ IP65 & IP55 option available

TECHNICAL SPECIFICATIONS

Characteristics according to IEC 60947-3

Thermal current I_{th} (40°C)	20A	32A	40A	63A	80A	100A	125A	160A	200A	250A	315A	400A	500A	630A	800A	1250A	1600A
Rated insulation voltage U_i (V)	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8	8	8	8	8	8	12	12	12	12	12	12	12

Rated operational currents I_e (A)

Rated voltage	Load Duty Category	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	
415 VAC	AC-20, AC-21, AC-22	20/	32/	40/	63/	80/	100/	125/	160/	200/	250/	315/	400/	500/	630/	800/	1250/	1600/
		20	32	40	63	80	100	125	160	200	250	315	400	500	630	800	1250	1600
415 VAC	AC-23	20/	32/	40/	63/	80/	100/	125/	160/	200/	250/	315/	400/	500/	500/	800/	1250/	1250/
		20	32	40	63	80	100	125	160	200	250	315	400	500	500	800	1250	1250

Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s

Rated short-time withstand current $0.3s \cdot I_{cw}$ (kArms)	2.5	2.5	2.5	3	3	5	15	15	17	17	25	25	25	25	50	100	100

Short-circuit capacity (without protection)

Rated short-time withstand current $1s \cdot I_{cw}$ (kArms)	1.26	1.26	1.26	1.5	1.5	2.75	7	7	9	9	13	13	13	13	26	50	50
Rated short-circuit making capacity without fuses (kA peak)	6	6	6	9	9	12	20	20	30	30	45	45	45	45	55	110	110

RUDOLF IP55	SMB-IE-0020	SMB-IE-0032	SMB-IE-0040	SMB-IE-0063	SMB-IE-0080	SMB-IE-0100	SMB-IE-0125	SMB-IE-0160	SMB-IE-0200	SMB-IE-0250	SMB-IE-0315	SMB-IE-0400	SMB-IE-0500	SMB-IE-0630	SMB-IE-0800	SMB-IE-1250	SMB-IE-1600

Fuji Electric IP65	FE-IE-0020	FE-IE-0032	FE-IE-0040	FE-IE-0063	FE-IE-0080	FE-IE-0100	FE-IE-0125	FE-IE-0160	FE-IE-0200	FE-IE-0250	FE-IE-0315	FE-IE-0400	FE-IE-0500	FE-IE-0630	FE-IE-0800	FE-IE-1250	FE-IE-1600

Dimension (mm)

Height	200	200	200	250	250	250	400	400	500	500	600	600	600	700	800	1000	1000
Width	200	200	200	200	200	200	300	300	400	400	400	500	500	500	600	800	800
Depth	100	100	100	150	150	150	200	200	200	200	200	200	200	250	250	300	300

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