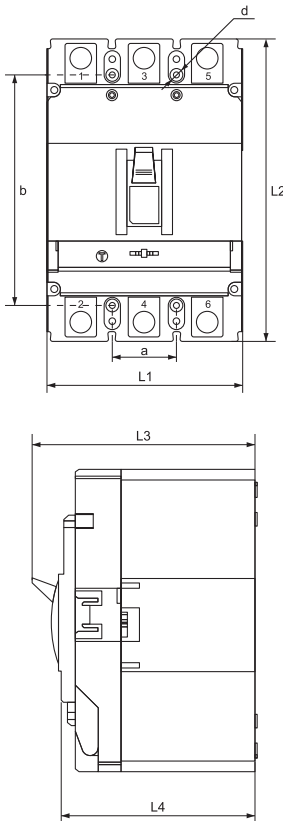


Moulded case circuit breakers

Documents corresponding to the product:

Standard EN 60947-1
EN 60947-2



High breaking capacity level moulded case circuit breakers (MCCB) DS1 MAX from 63A... 800A

7 YEAR WARRANTY *for industrial usage, 3 years warranty

Functions:

- high breaking capacity level
- switching on/off heavy loaded electrical circuits
- breaking of electrical circuits and control of powerful consumers
- can be used as a main breaker in housing or industrial distributing installations
- endures high currents of short circuit in the protected circuit
- remarkable with high reliability of current characteristics control: manual
- possibility for auxiliary devices mounting for automation

Technical data:

- Rated operating voltage: 415/690V; 50/60Hz
- Isolating voltage: 2000V
- Surge voltage wear resistance: $\geq 8000V$
- Connecting:
 - rigid or flexible conductors
 - front conductors joining
 - possibility for mounting to lengthening terminal

- Plastic elements
 - not keeping the burning material nylon PA66
 - box permittivity strength: $>16MV/m$
- Abnormal heating wear resistance and fire of the outer parts: $960^{\circ}C$
- Static contacts – alloy: pure copper T2Y2
 - acontact head: silver graphite CAg(5)
 - athickness: depends on the current
- Tightening moment: 1.33Nm
- Electrical wear resistance (number of cycles): ≥ 10000
- Mechanical wear resistance (number of cycles): ≥ 20000
- IP code: IP>20
- Mounting:
 - joining with bolts
 - mounting position: vertical
- Plastic material of UV rays and non-flammable
- Test button
- Ambient temperature: $-20^{\circ}/65^{\circ}C$.

Type	Overall dimensions (mm)						
	L1	L2	L3	L4	a	b	d
DS1 MAX 125/63 3P M	92	150	110	92	30	129	4.5
DS1 MAX 125/80 3PM	92	150	110	92	30	129	4.5
DS1 MAX 125/100 3P M	92	150	110	92	30	129	4.5
DS1 MAX 125/125 3P M	92	150	110	92	30	129	4.5
DS1 MAX 250/160 3P M	92	165	110	90	35	126	4.5
DS1 MAX 250/200 3P M	107	165	110	90	35	126	4.5
DS1 MAX 250/250 3P H	107	165	110	90	35	126	4.5
DS1 MAX 400/400 3P H	150	257	146	106	44	194	7
DS1 MAX 630/630 3P H	182	270	155	116	116	200	7
DS1 MAX 800/800 3P H	210	28	155	116	70	243	7
DS1 MAX 125/63 4P M	122	150	110	92	60	129	4.5
DS1 MAX 125/80 4PM	122	150	110	92	60	129	4.5
DS1 MAX 125/100 4P M	122	150	110	92	60	129	4.5
DS1 MAX 125/125 4P M	122	150	110	92	60	129	4.5
DS1 MAX 250/160 4P M	142	165	110	90	70	126	4.5
DS1 MAX 250/200 4P M	142	165	110	90	70	126	4.5
DS1 MAX 250/250 4P H	142	165	110	90	70	126	4.5
DS1 MAX 400/400 4P H	198	257	146	106	44	194	7
DS1 MAX 630/630 4P H	240	270	155	116	116	200	7
DS1 MAX 800/800 4P H	280	280	155	116	70	243	7

Type	Rated current In (A)	Operating breaking capacity (kA) Ics	Maximum breaking capacity (kA) Icu		Thermal current adjustment (A)	Packing/box	Catalogue number three-poles	Catalogue number four-poles
			415V	690V				
DS1 MAX - 125	63	36	50	20	50,4-63	1/16	44163MM	444163MM
DS1 MAX - 125	80	36	50	20	64-80	1/16	44164MM	444164MM
DS1 MAX - 125	100	36	50	20	80-100	1/16	44165MM	444165MM
DS1 MAX - 125	125	36	50	20	100-125	1/16	44166MM	444166MM
DS1 MAX - 250	160	36	50	20	128-160	1/6	44160MM	444160MM
DS1 MAX - 250	200	36	50	20	160-200	1/6	44200MM	444200MM
DS1 MAX - 250	250	42	65	25	200-250	1/6	44250MH	444250MH
DS1 MAX - 400	400	50	85	30	320-400	1/3	44401MH	444401MH
DS1 MAX - 630	630	50	85	30	504-630	1/2	44630MH	444630MH
DS1 MAX - 800	800	65	100	50	640-800	1/2	44800MH	444800MH