

TECHNICAL SPECIFICATION

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



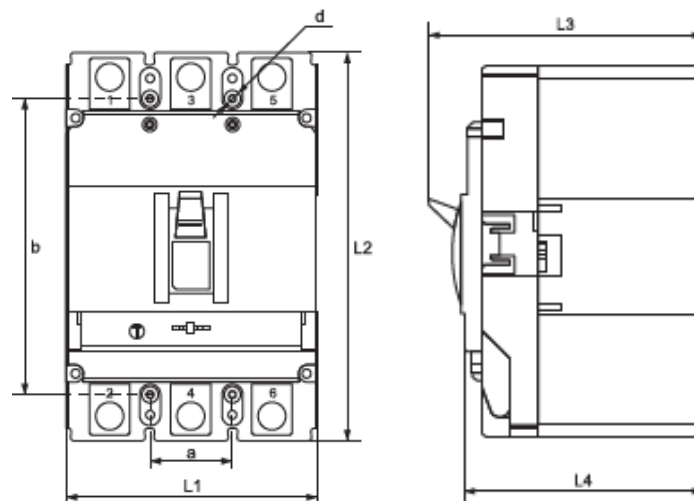
Functions:

- 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: 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 permitivity strength: $>16MV/m$
- Abnormal heating wear resistance and fire of the outer parts: $960^{\circ}C$
 - Static contacts – alloy: pure copper T2Y2, contact head: silver graphite CAg(5)
- Tightening moment: 1.33Nm
- Electrical wear resistance (number of cycles): ≥ 10000
- Mechanical wear resistance (number of cycles): ≥ 20000
- IP code: IP>20
- Mounting: vertical; joining with bolts
- Plastic material of UV rays and non-flammable
- Test button
- Ambient temperature: $-20^{\circ} \div +65^{\circ}C$.

Dimensions:



Type	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 3P M	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	280	155	116	70	243	7
DS1 MAX 125/63 4P M	122	150	110	92	60	129	4.5
DS1 MAX 125/80 4P M	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

Variants:

Type	Rated current In (A)	Operating breaking capacity Ics (kA)	Maximum breaking capacity Icu (kA)		Thermal current adjustment (A)	Packin g / Box (pcs)	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	444200MH
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

Standards:

EN 60947-2:2006

