

## 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

<b>Technical data:</b>	
<b>Rated operating voltage:</b>	415/690V; 50/60Hz
<b>Isolating voltage:</b>	2000V
<b>Surge voltage wear resistance:</b>	≥8000V
<b>Connecting:</b>	<ul style="list-style-type: none"> <li>▪ rigid or flexible conductors</li> <li>▪ front conductors joining</li> <li>▪ possibility for mounting to lengthening terminal</li> </ul>
<b>Plastic elements:</b>	<ul style="list-style-type: none"> <li>▪ Not keeping the burning material nylon PA66</li> <li>▪ Box permittivity strength: &gt;16MV/m</li> </ul>
<b>Abnormal heating wear resistance and fire of the outer parts:</b>	960°C
<b>Static contacts – alloy: pure copper T2Y2</b>	<ul style="list-style-type: none"> <li>▪ contact head: silver graphite CAg (5)</li> <li>▪ thickness: depends on the current</li> </ul>
<b>Tightening moment:</b>	1.33Nm
<b>Electrical wear resistance (number of cycles):</b>	≥10000
<b>Mechanical wear resistance (number of cycles):</b>	≥20000
<b>IP code:</b>	IP>20
<b>Plastic material of UV rays and non- flammable</b>	
<b>Test button</b>	
<b>Ambient temperature:</b>	-20°÷65°C

## Mounting:

- vertical on a smooth surface using bolts

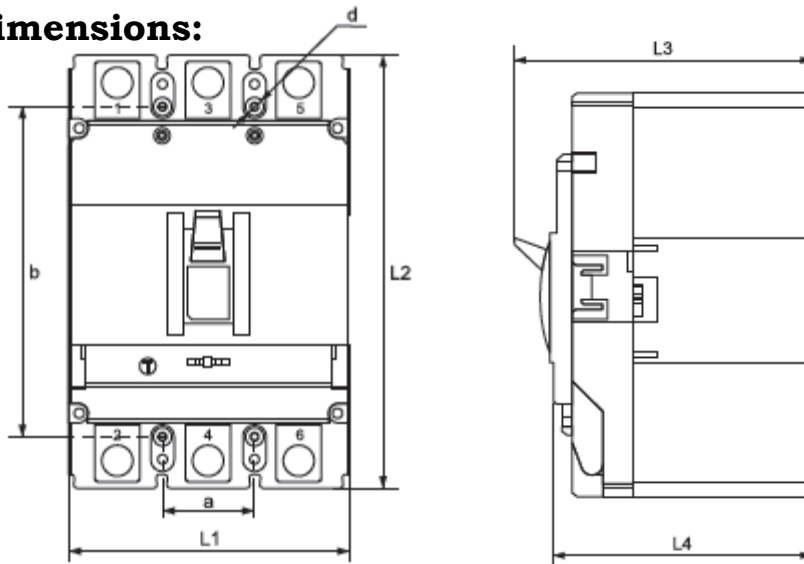
## Advantages:

- Wide range of auxiliary devices for automation
- High breaking capacity level
- Extreme reliability and performance
- High electrical and mechanical wear resistance
- Compact size

## Applications:

- Residential buildings
- Administrative buildings
- Commercial property
- Industrial applications
- Distribution boards

## Dimensions:



Dimensions  
(mm)

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

## Basic data:

Type	Rated current In (A)	Operating breaking capacity Ics (kA)	Maximum breaking capacity Icu (kA)		Thermal current adjustment (A)	Packing/ 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	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

## Standards:

- EN 60947-1
- EN 60947-2

