Datasheet: Miniature Circuit Breaker 6kA, 40°C, ME

SCHRACK-INFO

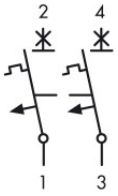
- Calibrated for an ambient temperature 40°C
- Insulated terminal guide for secure connection
- Lift and clamp terminals on both sides
- High selectivity by low let-through energies
- Window with positively-driven contact position indicator for each pole
- Meets the requirements for insulation coordination, contact gap 4mm
- Mains power connection selectable (top/bottom)
- Installation not dependent on position
- Special latching snap-on mounting for DIN rail EN 50022

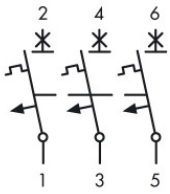
Technical datas

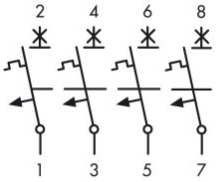
Standards:	IEC/EN 60898 and IEC/EN 60947-2
Rated voltage:	230V / 400V-AC
Rated frequency:	50/60Hz
Rated voltage capacity DC:	max. 48V-DC
Rated current:	2 - 63A
Tripping characteristic:	B, C
Rated short-circuit capacity Icn:	6 kA according EN 60898
Rated short-circuit capacity Icu:	6 kA according EN 60947-2
Energy limiting class:	3

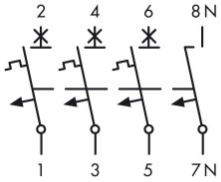
Max. back up fuse:	max. 100A gG/gL
Rated impulse withstand voltage Uimp:	4kV
Rated rripping temperature:	-5 °C up to +40 °C
Operating temperature:	-40 °C up to +75 °C
Degree of protection:	IP 20 (covered IP40)
Operating position:	in any position
Calibrated for ambition temperature:	+40°C
Endurance:	> 8.000 operating cycles (mechanical > 20.000)
Finger and hand touch safe:	acc. to BGV A3
Terminals:	Double clamp / lift terminal
Terminal cross-section:	1 - 25mm²
Terminal width 1 MW:	17,8mm
Terminal tightening torque:	2 - 2,4Nm
Mounting:	on DIN rail by latching snap-on mounting

Wiring diagram









Total power loss at In

Characteristic B

	1p	1pN	2p	3p	3pN*
In [A]	P [W]	P [W]	P [W]	P [W]	P [W]
1	1.6	1.7	3.1	4.7	4.8
1.5	2.3	2.5	4.6	6.9	7.2
1.6	2.5	2.7	4.9	7.4	7.6
2	1.4	1.5	2.8	4.1	4.3
2.5	1.5	1.7	3.1	4.6	4.7
3	2.5	2.7	5.0	7.6	7.8
3.5	2.5	2.8	5.1	7.8	8.0
4	1.4	1.6	2.9	4.4	4.5
5	1.9	2.1	3.8	5.8	6.0
6	1.8	2.0	3.6	5.5	5.6
8	2.1	2.3	4.1	6.3	6.5
10	1.9	2.1	3.9	5.9	6.1
12	2.8	3.2	5.9	8.7	9.0
13	2.5	2.9	5.3	7.8	8.1
15	2.1	2.4	4.4	6.5	6.7
16	2.2	2.6	4.7	6.9	7.2
20	3.2	3.6	6.6	9.8	10.1
25	3.0	3.5	6.4	9.4	9.7
32	3.7	4.4	8.1	12.1	12.5
40	3.4	4.1	7.5	11.2	11.5
50	4.5	5.4	9.9	14.9	15.3
63	5.2	6.3	11.5	17.2	17.7

*symmetrische Last

Total power loss at In

Characteristic C

	1p	1pN	2p	3p	3pN*
I_n [A]	P [W]	P [W]	P [W]	P [W]	P [W]
0.16	2.2	2.4	4.4	6.7	6.9
0.25	2.0	2.2	4.0	6.1	6.3
0.5	1.2	1.3	2.4	3.5	3.7
0.75	1.3	1.4	2.6	3.9	4.1
1	1.6	1.7	3.1	4.7	4.8
1.5	1.5	1.6	2.9	4.4	4.6
1.6	1.6	1.7	3.1	4.7	4.9
2	1.4	1.5	2.8	4.1	4.3
2.5	1.5	1.7	3.1	4.6	4.7
3	1.2	1.3	2.4	3.6	3.7
3.5	1.3	1.4	2.6	3.9	4.0
4	1.4	1.6	2.9	4.4	4.5
5	1.9	2.1	3.8	5.8	6.0
6	1.5	1.6	2.9	4.4	4.6
8	2.1	2.3	4.1	6.3	6.5
10	1.5	1.7	3.0	4.6	4.7
12	2.1	2.4	4.4	6.5	6.8
13	2.5	2.9	5.3	7.8	8.1
15	2.1	2.4	4.4	6.5	6.7
16	2.2	2.6	4.7	6.9	7.2
20	3.2	3.6	6.6	9.8	10.1
25	3.0	3.5	6.4	9.4	9.7
32	3.7	4.4	8.1	12.1	12.5
40	3.4	4.1	7.5	11.2	11.5
50	4.5	5.4	9.9	14.9	15.3
63	5.2	6.3	11.5	17.2	17.7

*symmetrische Last

Internal resistance (at RT)

Characteristic B

I_n [A]	Z* [mΩ]	R [mΩ]
1	1120	1102
1.5	922	912
1.6	922	912
2	335	333
2.5	234	230
3	211	208
3.5	184	180
4	87.7	87.2
5	73.5	72.8
6	46.8	46.3
8	30.5	30.4
10	17.5	17.4
12	16.9	16.8
13	13.4	13.3
15	8.0	7.9
16	8.0	7.9
20	7.2	7.1
25	5.0	4.9
32	3.7	3.7
40	2.6	2.5
50	2.1	2.1
63	2.0	2.0

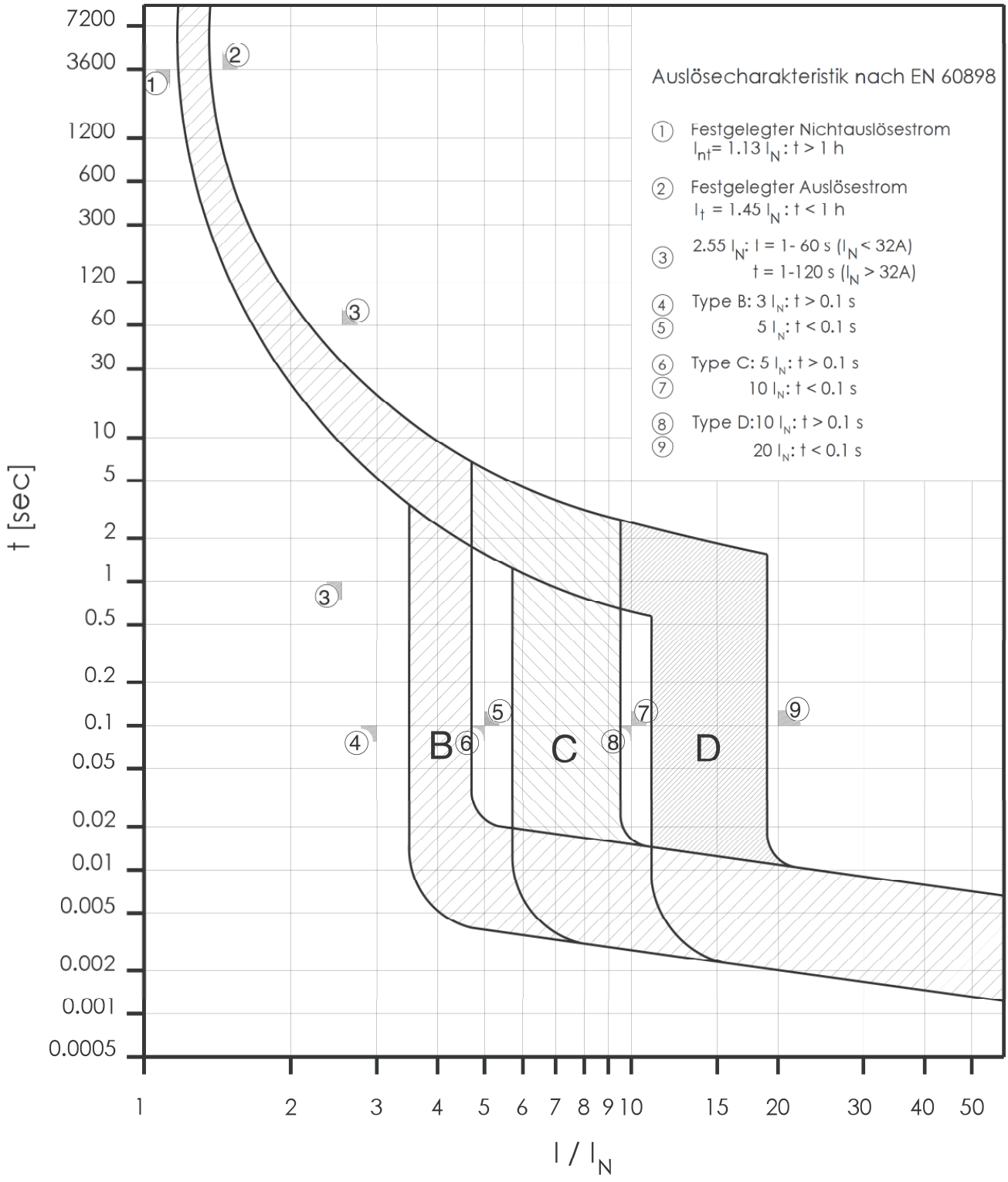
* 50Hz

Characteristic C

I_n [A]	Z* [mΩ]	R [mΩ]
0.16	68500	68300
0.25	27500	27400
0.5	4680	4670
0.75	2280	2250
1	1120	1100
1.5	589	587
1.6	589	587
2	335	333
2.5	234	230
3	131	130
3.5	143	141
4	87.7	87.2
5	73.5	72.8
6	39.3	39.1
8	30.5	30.4
10	14.1	14.0
12	13.5	13.4
13	13.4	13.3
15	8.0	7.9
16	8.0	7.9
20	7.2	7.1
25	5.0	4.9
32	3.7	3.7
40	2.6	2.5
50	2.1	2.1
63	2.0	2.0

* 50Hz

Tripping characteristic curve according EN 60898 (characteristic B, C, D)



Influence of ambient temperature on the thermal triggering behaviour of MCB, Series BMS6 ME

Corrected values of the rated current as a function of the ambient temperature

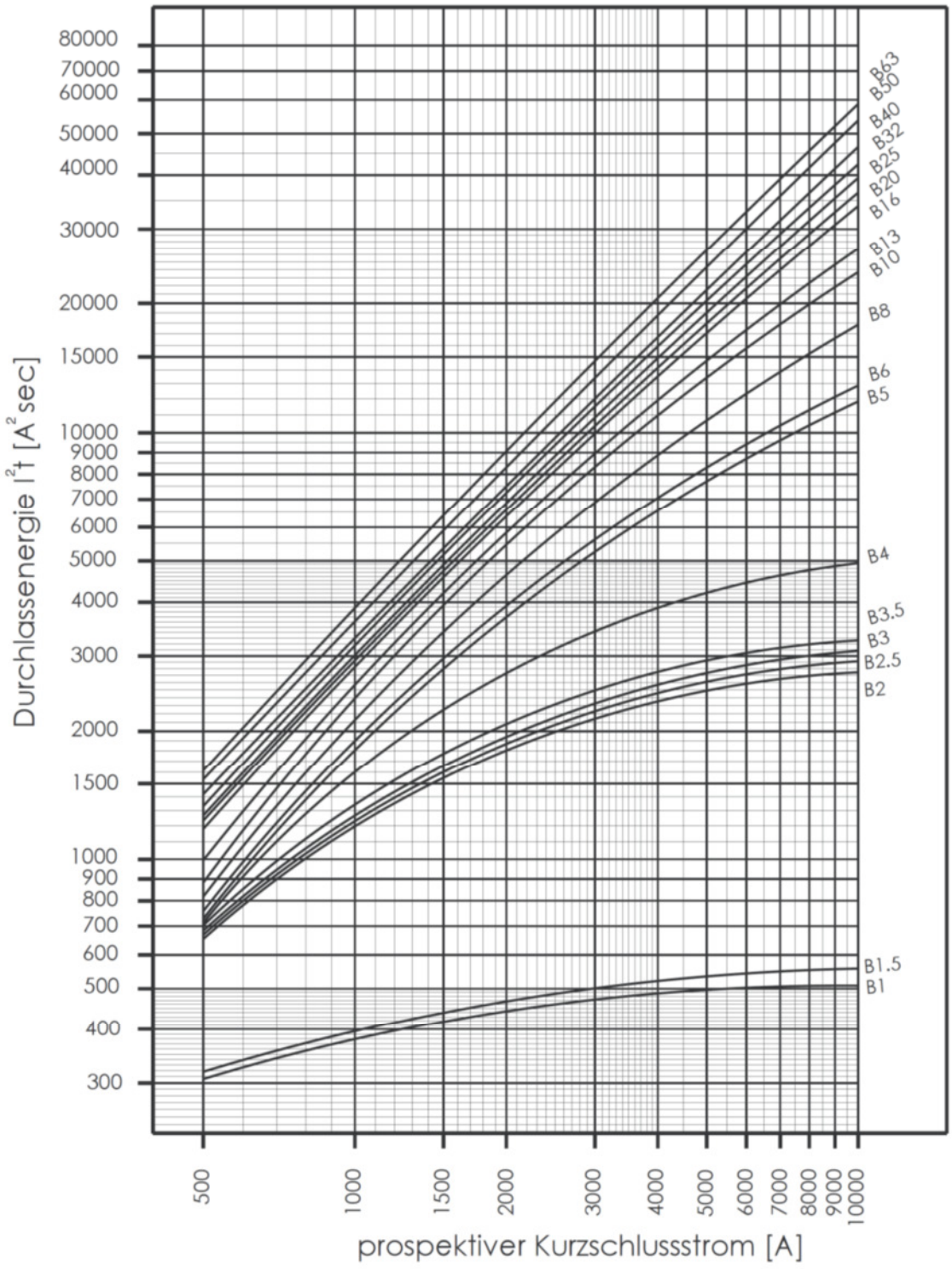
	Ambient temperature T (°C)										
	-15	-10	0	10	20	30	40	45	50	55	60
2A	2,4	2,4	2,3	2,2	2,2	2,1	2	2	1,9	1,9	1,9
4A	4,9	4,8	4,7	4,5	4,3	4,2	4	3,9	3,9	3,8	3,7
6A	7,3	7,2	7	6,7	6,5	6,3	6	5,9	5,8	5,7	5,6
10A	12	12	12	11	11	10	10	9,9	9,7	9,5	9,3
16A	20	19	19	18	17	17	16	16	15	15	15
20A	24	24	23	22	22	21	20	20	19	19	19
25A	31	30	29	28	27	26	25	25	24	24	23
32A	39	38	37	36	35	33	32	32	31	30	30
40A	49	48	47	45	43	42	40	39	39	38	37
50A	61	60	58	56	54	52	50	49	48	47	46
63A	77	76	73	71	68	66	63	62	61	60	58

Influence of mains frequency on tripping behaviour

	16,6 Hz	50Hz	60hz	100Hz	200Hz	300Hz	400Hz
$I_{MA}(f)/I_{MA}(50Hz)$ (%)	91	100	101	106	115	134	141

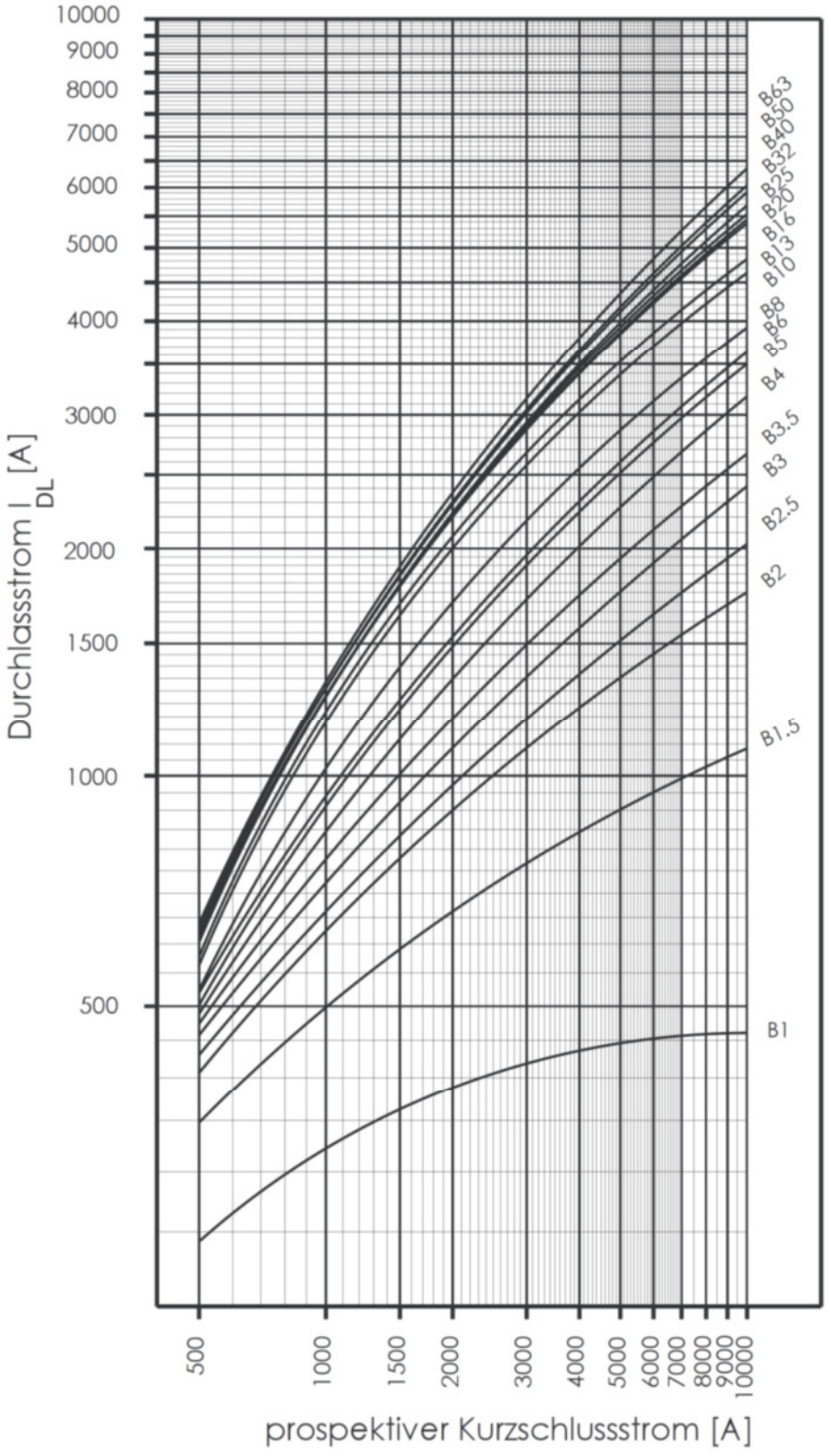
Let-through energy

Characteristic B



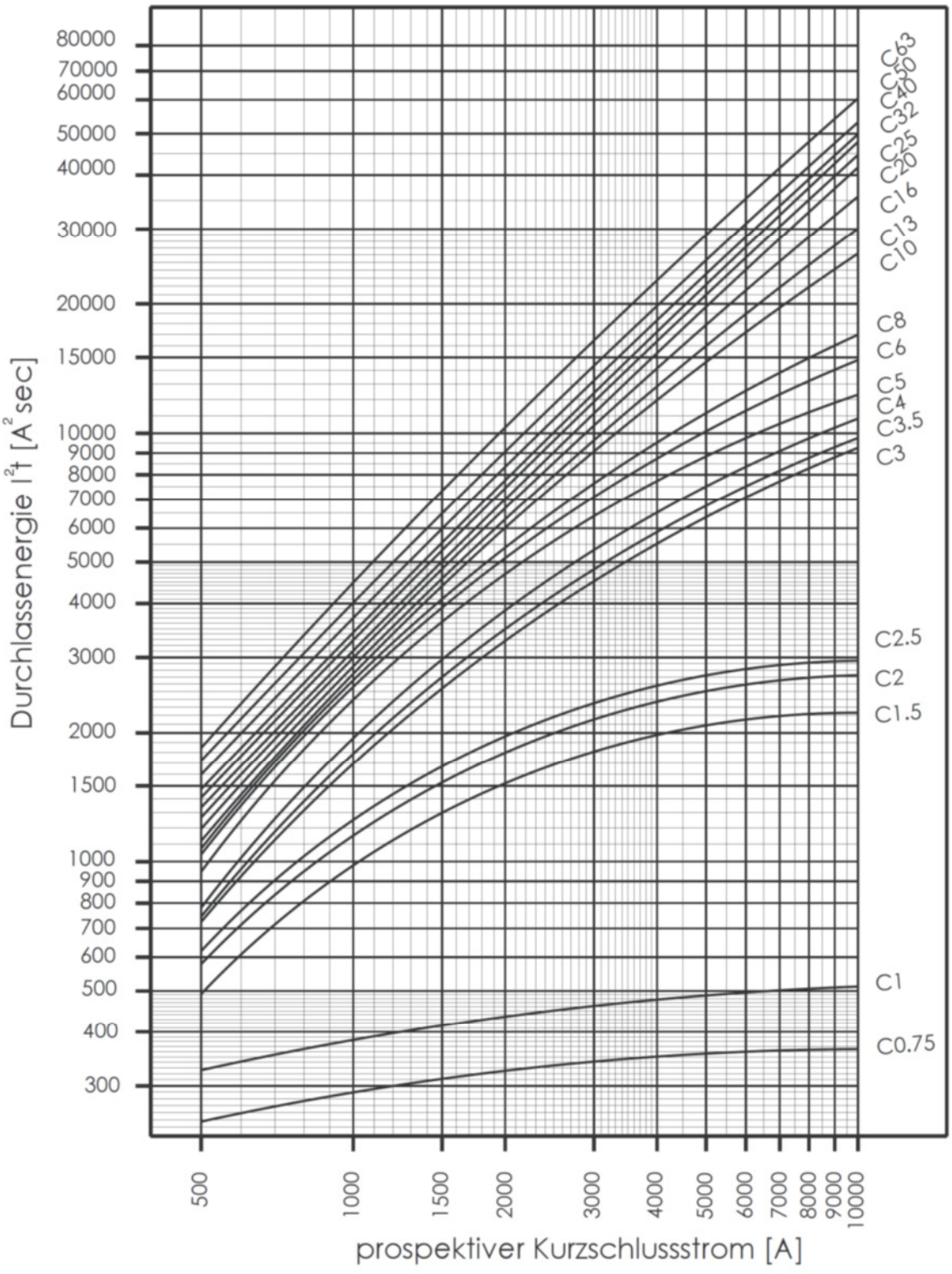
Max let-through current

Characteristic B



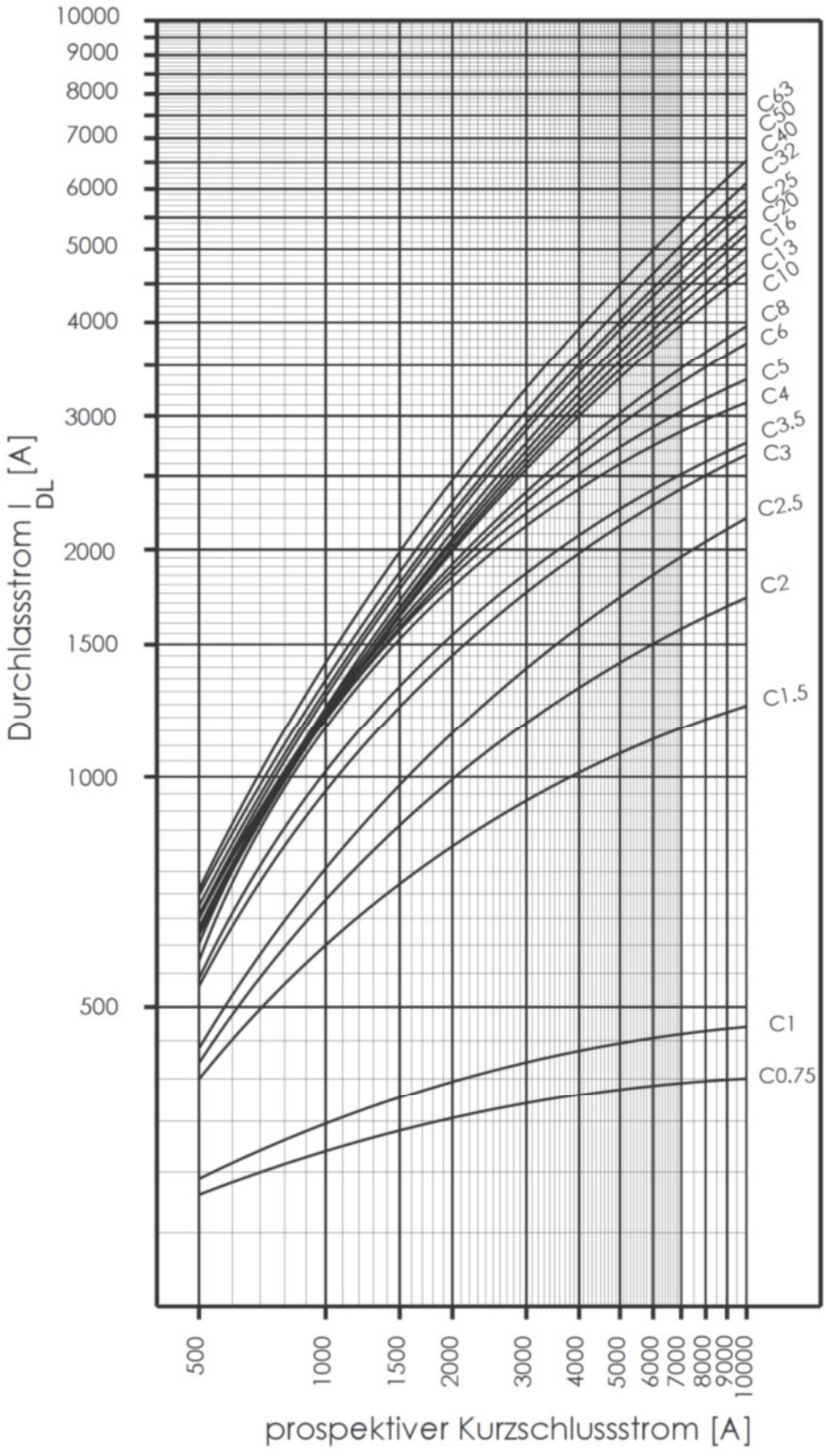
Let-through energy

Characteristic C



Max let-through current

Characteristic C



Schort-curcuit selectivity of MCB, series BMS6 for D-fuses (DIAZED)

case of short circuit, there is selectivity between the miniature circuit breakers BM6 and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).

*) basically in accordance with EN 60898 D.5.2.b

Short circuit selectivity ***characteristic B*** *towards fuse link* ***DIAZED****)

BMS6	DIAZED DII-DIV gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
1.0	<0.5 [1]	1.2	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	<0.5 [1]	1.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	<0.5 [1]	0.8	1.6	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	<0.5 [1]	0.8	1.5	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	<0.5 [1]	0.8	1.4	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	<0.5 [1]	0.7	1.3	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	0.6	1.0	3.6	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
5	<0.5 [1]	<0.5 [1]	0.6	0.9	2.0	3.5	6.0 [2]	6.0 [2]	6.0 [2]
6		<0.5 [1]	0.6	0.9	1.8	3.2	6.0 [2]	6.0 [2]	6.0 [2]
8		<0.5 [1]	0.5	0.8	1.6	2.6	5.2	6.0 [2]	6.0 [2]
10			0.5	0.8	1.4	2.2	3.9	6.0 [2]	6.0 [2]
13			0.5	0.7	1.3	2.0	3.6	5.4	6.0 [2]
16				0.6	1.2	1.9	3.2	4.6	6.0 [2]
20					1.2	1.8	3.1	4.4	6.0 [2]
25					1.2	1.8	3.0	4.2	6.0 [2]
32						1.7	2.8	3.9	6.0 [2]
40							2.7	3.8	6.0 [2]
50							2.5	3.5	5.7
63									5.3

Short circuit selectivity ***characteristic C*** *towards fuse link* ***DIAZED****)

BMS6	DIAZED DII-DIV gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
0.75	1.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.0	<0.5 [1]	1.2	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	<0.5 [1]	<0.5 [1]	1.0	2.2	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	<0.5 [1]	0.8	1.6	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	<0.5 [1]	0.8	1.4	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	<0.5 [1]	0.8	0.9	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	<0.5 [1]	0.6	0.9	2.2	4.5	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	0.6	0.8	1.8	3.6	6.0 [2]	6.0 [2]	6.0 [2]
5	<0.5 [1]	<0.5 [1]	0.6	0.7	1.5	2.7	6.0 [2]	6.0 [2]	6.0 [2]
6		<0.5 [1]	0.5	0.6	1.4	2.4	5.5	6.0 [2]	6.0 [2]
8		<0.5 [1]	<0.5 [1]	0.6	1.3	2.2	4.7	6.0 [2]	6.0 [2]
10			<0.5 [1]	0.6	1.3	2.0	3.6	6.0 [2]	6.0 [2]
13					1.3	1.9	3.3	5.0	6.0 [2]
16					1.2	1.8	3.2	4.4	6.0 [2]
20					1.2	1.8	3.1	4.1	6.0 [2]
25						1.7	2.8	3.8	6.0 [2]
32							2.7	3.7	6.0 [2]
40								3.5	5.9
50									5.5
63									

[1] Selectivity limit current I_s under 0.5 kA

[2] Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB

no selectivity

Schort-curcuit selectivity of MCB, series BMS6 for D0-fuses (NEOZED)

case of short circuit, there is selectivity between the miniature circuit breakers BM6 and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).

*) basically in accordance with EN 60898 D.5.2.b

Short circuit selectivity ***characteristic B*** *towards fuse link* ***NEOZED****)

BMS6	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
1.0	<0.5 [1]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	<0.5 [1]	4.1	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	<0.5 [1]	0.6	1.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	<0.5 [1]	0.6	1.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	<0.5 [1]	0.5	1.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	<0.5 [1]	0.5	0.9	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	0.5	0.9	2.5	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
5		<0.5 [1]	0.5	0.8	1.7	4.0	6.0 [2]	6.0 [2]	6.0 [2]
6		<0.5 [1]	0.5	0.8	1.6	3.6	6.0 [2]	6.0 [2]	6.0 [2]
8			0.5	0.8	1.4	2.8	4.3	6.0 [2]	6.0 [2]
10			0.5	0.7	1.3	2.4	3.4	6.0 [2]	6.0 [2]
13			<0.5 [1]	0.7	1.2	2.3	3.2	5.3	6.0 [2]
16				0.6	1.1	2.2	2.9	4.6	6.0 [2]
20					1.1	2.1	2.8	4.4	6.0 [2]
25					1.1	2.0	2.7	4.2	6.0 [2]
32						2.0	2.6	4.0	6.0 [2]
40							2.5	3.8	6.0 [2]
50							2.3	3.4	6.0 [2]
63									6.0 [2]

Short circuit selectivity ***characteristic C*** *towards fuse link* ***NEOZED****)

BMS6	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
0.75	<0.5 [1]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.0	<0.5 [1]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	<0.5 [1]	0.5	0.6	0.9	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	<0.5 [1]	0.5	0.7	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	<0.5 [1]	0.5	0.7	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	<0.5 [1]	<0.5 [1]	0.6	1.9	5.2	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	<0.5 [1]	<0.5 [1]	0.6	1.8	4.7	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	<0.5 [1]	0.6	1.6	4.0	6.0 [2]	6.0 [2]	6.0 [2]
5		<0.5 [1]	<0.5 [1]	0.5	1.3	3.1	5.7	6.0 [2]	6.0 [2]
6		<0.5 [1]	<0.5 [1]	<0.5 [1]	1.2	2.7	4.5	6.0 [2]	6.0 [2]
8		<0.5 [1]	<0.5 [1]	<0.5 [1]	1.2	2.5	4.0	6.0 [2]	6.0 [2]
10			<0.5 [1]	<0.5 [1]	1.2	2.3	3.1	5.4	6.0 [2]
13					1.1	2.2	3.0	4.9	6.0 [2]
16					1.1	2.1	2.8	4.4	6.0 [2]
20					1.0	2.0	2.6	4.0	6.0 [2]
25						1.9	2.5	3.8	6.0 [2]
32							2.5	3.7	6.0 [2]
40								3.5	6.0 [2]
50									6.0 [2]
63									

[1] Selectivity limit current I_s under 0.5 kA

[2] Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB

no selectivity

Schort-curcuit selectivity of MCB, series BMS6 for NH-fuses (size 00)

case of short circuit, there is selectivity between the miniature circuit breakers BM6 and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).

*) basically in accordance with EN 60898 D.5.2.b

Short circuit selectivity ***characteristic B*** *towards fuse link* ***NH-00****)

BMS6	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
1.0	0.9	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	0.8	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	0.5	1.0	2.5	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	0.5	1.0	2.3	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	0.5	0.9	2.1	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	0.5	0.9	1.8	5.5	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	0.8	1.3	2.3	4.3	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
5	<0.5 [1]	<0.5 [1]	0.7	1.1	1.6	2.2	3.6	4.8	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
6	<0.5 [1]	<0.5 [1]	0.7	1.1	1.5	2.0	3.3	4.3	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
8	<0.5 [1]	<0.5 [1]	0.6	1.0	1.3	1.7	2.6	3.3	5.2	6.0 [2]	6.0 [2]	6.0 [2]
10		<0.5 [1]	0.6	0.9	1.2	1.5	2.2	2.7	4.0	6.0 [2]	6.0 [2]	6.0 [2]
13		<0.5 [1]	0.6	0.8	1.1	1.4	2.1	2.6	3.8	6.0 [2]	6.0 [2]	6.0 [2]
16			0.5	0.7	1.0	1.3	1.9	2.4	3.4	6.0 [2]	6.0 [2]	6.0 [2]
20				0.7	1.0	1.3	1.9	2.4	3.3	6.0 [2]	6.0 [2]	6.0 [2]
25				0.7	1.0	1.3	1.8	2.3	3.2	5.7	6.0 [2]	6.0 [2]
32					0.9	1.2	1.7	2.2	3.1	5.4	6.0 [2]	6.0 [2]
40								2.1	3.0	5.1	6.0 [2]	6.0 [2]
50								1.9	2.8	4.7	6.0 [2]	6.0 [2]
63										4.4	6.0 [2]	6.0 [2]

Short circuit selectivity ***characteristic C*** *towards fuse link* ***NH-00****)

BMS6	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
0.75	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.0	0.9	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
1.5	<0.5 [1]	0.6	1.3	4.2	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.0	<0.5 [1]	0.6	1.0	2.5	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
2.5	<0.5 [1]	0.5	1.0	2.1	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.0	<0.5 [1]	<0.5 [1]	0.7	1.2	1.8	2.6	4.7	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
3.5	<0.5 [1]	<0.5 [1]	0.7	1.1	1.7	2.4	4.2	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
4	<0.5 [1]	<0.5 [1]	0.7	1.0	1.5	2.1	3.6	5.0	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
5	<0.5 [1]	<0.5 [1]	0.6	0.8	1.2	1.7	2.8	3.8	6.0 [2]	6.0 [2]	6.0 [2]	6.0 [2]
6	<0.5 [1]	<0.5 [1]	0.5	0.8	1.2	1.5	2.5	3.3	5.7	6.0 [2]	6.0 [2]	6.0 [2]
8	<0.5 [1]	<0.5 [1]	0.5	0.8	1.1	1.5	2.3	2.9	4.9	6.0 [2]	6.0 [2]	6.0 [2]
10			0.5	0.7	1.0	1.4	2.0	2.5	3.8	6.0 [2]	6.0 [2]	6.0 [2]
13					1.0	1.3	1.9	2.4	3.6	6.0 [2]	6.0 [2]	6.0 [2]
16					1.0	1.3	1.8	2.3	3.3	6.0 [2]	6.0 [2]	6.0 [2]
20					1.0	1.2	1.7	2.2	3.2	5.5	6.0 [2]	6.0 [2]
25							1.6	2.1	3.0	5.2	6.0 [2]	6.0 [2]
32								2.1	2.9	5.0	6.0 [2]	6.0 [2]
40									2.8	4.8	6.0 [2]	6.0 [2]
50										4.5	6.0 [2]	6.0 [2]
63											5.9	6.0 [2]

[1] Selectivity limit current I_s under 0.5 kA

[2] Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB

no selectivity

Possible connectiojn on the termionals (1,5-25mm²)

Conductor cross-section	Number of single conductors, rigid, single-wire Cu conductors					
[mm²]	1	2	3	4	5	6
1,5	+	+	+	+	+	-
2,5	+	+	+	-	-	-
4	+	+	+	-	-	-
6	+	+	+	-	-	-
10	+	+	-	-	-	-
16	+	-	-	-	-	-
25	+	-	-	-	-	-

Conductor cross-section	Number of single conductors, rigid, multi-wire Cu conductors					
[mm²]	1	2	3	4	5	6
10	+	+	-	-	-	-
16	+	-	-	-	-	-
25	+	-	-	-	-	-

Conductor cross-section	Number of single-conductors, flexible Cu conductors					
[mm²]	1**	2*	3*	4*	5*	6*
1,5	+	-	-	+	+	-
2,5	+	-	+	-	-	-
4	+	+	+	-	-	-
6	+	+	+	-	-	-
10	+	+	-	-	-	-
16	+	-	-	-	-	-
25	+	-	-	-	-	-

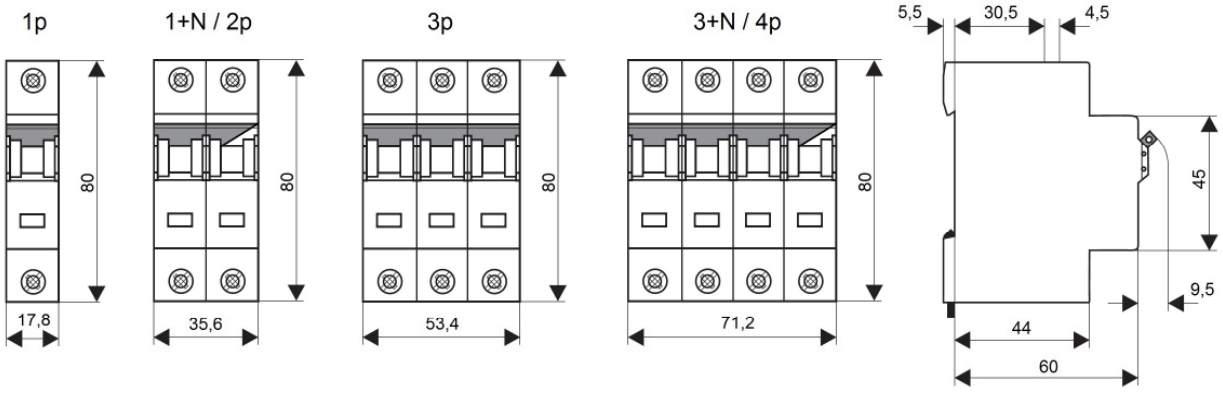
*) Only without wire end and sleeve
**) Only with wire end and sleeve

Conductor cross-section	Combinations of different cross-sections of flexible Cu conductors with each other						
[mm²]	Permissible variations (without wire end sleeves)						
1,5	+	-	-	-	-	-	-
2,5	+	+	-	-	+	-	-
4	-	+	+	-	-	+	-
6	-	-	+	+	+	-	+
10	-	-	-	+	-	+	-
16	-	-	-	-	-	-	+
25	-	-	-	-	-	-	-

+	Permissible
-	Not permissible

No combinations are permissible for rigid single- and multi-wire Cu conductors!

Dimensions



Articles

Miniature Circuit Breaker 6kA, 40°C, ME , 1-pole

Description	Order no.
Characteristic B	
6A	BM618106ME
10A	BM618110ME
16A	BM618116ME
20A	BM618120ME
25A	BM618125ME
32A	BM618132ME
40A	BM618140ME
50A	BM618150ME
63A	BM618163ME
Characteristic C	
2A	BM617102ME
4A	BM617104ME
6A	BM617106ME
10A	BM617110ME
16A	BM617116ME
20A	BM617120ME
25A	BM617125ME
32A	BM617132ME
40A	BM617140ME
50A	BM617150ME
63A	BM617163ME

Miniature Circuit Breaker 6kA, 40°C, ME , 2-pole

Description	Order no.
Characteristic B	
10A	BM618210ME
16A	BM618216ME
20A	BM618220ME

Characteristic C	
2A	BM617202ME
4A	BM617204ME
6A	BM617206ME
10A	BM617210ME
16A	BM617216ME
20A	BM617220ME
25A	BM617225ME
32A	BM617232ME
40A	BM617240ME
50A	BM617250ME
63A	BM617263ME

Miniature Circuit Breaker 6kA, 40°C, ME , 3-pole

Description	Order no.
Characteristic B	
6A	BM618306ME
10A	BM618310ME
16A	BM618316ME
20A	BM618320ME
25A	BM618325ME
32A	BM618332ME
40A	BM618340ME
50A	BM618350ME
63A	BM618363ME
Characteristic C	
6A	BM617306ME
10A	BM617310ME
16A	BM617316ME
20A	BM617320ME
25A	BM617325ME
32A	BM617332ME
40A	BM617340ME
50A	BM617350ME
63A	BM617363ME

Miniature Circuit Breaker 6kA, 40°C, ME , 3+N

Description	Order no.
Characteristic B	
6A	BM618806ME
10A	BM618810ME
16A	BM618816ME
20A	BM618820ME
25A	BM618825ME
32A	BM618832ME
40A	BM618840ME
50A	BM618850ME
63A	BM618863ME
Characteristic C	
2A	BM617802ME
6A	BM617806ME
10A	BM617810ME
13A	BM617813ME
16A	BM617816ME
20A	BM617820ME
25A	BM617825ME
32A	BM617832ME
40A	BM617840ME
63A	BM617863ME

Miniature Circuit Breaker 6kA, 40°C, ME , 4-pole

Description	Order no.
Characteristic B	
6A	BM618406ME
10A	BM618410ME
16A	BM618416ME
20A	BM618420ME
25A	BM618425ME
32A	BM618432ME
40A	BM618440ME
50A	BM618450ME
63A	BM618463ME

Characteristic C	
2A	BM617402ME
4A	BM617404ME
6A	BM617406ME
10A	BM617410ME
16A	BM617416ME
20A	BM617420ME
25A	BM617425ME
32A	BM617432ME
40A	BM617440ME
50A	BM617450ME
63A	BM617463ME