



CIRCUIT PROTECTION

WELCOME TO SCHRACK TECHNIK

High quality products together with our technical expertise and the respective requirements of our valued customers are the focus of our attention. From Mains connection systems down to the safe monitoring of individual electrical loads, Schrack devices provide fault-free operation with the highest possible protection for persons and equipment.

PROJECT DEVELOPMENT – A COMPLETE SOLUTION

SCHRACK TECHNIK is a leader in the area of energy and data technology. We offer optimised, coordinated systems and solutions for private, commercial and industrial applications.

Thanks to many years of experience and involvement in standardisation and a wide range of committees, we are in the position to keep you informed about the latest technological developments and how to achieve the best possible return on your investment in building technology.

Our specialized technicians can help you in many areas, such as choosing the right technology, planning and project realisation.



ENERGY TECHNOLOGY

ENCLOSURES AND CABINETS FOR ENERGY DISTRIBUTION, MODULAR PROTECTION DEVICES
MODULAR CONTROLLERS, SWITCHES, OVERVOLTAGE PROTECTION
FUSES, CONNECTION & CABLING TECHNOLOGY



INDUSTRY & PANEL BUILDING

RELAYS, TRANSFORMERS, METERS AND MEASURING EQUIPMENT
CIRCUIT BREAKERS AND SWITCH DISCONNECTORS, CONTACTORS AND MOTOR CONTACTORS
MAIN SWITCHES, CONTROL UNITS



BUILDING INSTALLATION TECHNOLOGY

SWITCHES AND SOCKETS, INSTALLATION MATERIALS
BUILDING SYSTEMS TECHNOLOGY
AND ACCESS CONTROL SYSTEMS



EMERGENCY LIGHTING & SYSTEMS

EMERGENCY LIGHTING
UPS SYSTEMS
COMPENSATION AND CO-DETECTION SYSTEMS



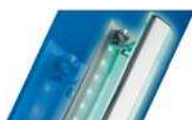
NETWORK TECHNOLOGY

COPPER AND FIBRE-OPTIC CABLING
ACTIVE COMPONENTS, NETWORK CABINETS
CABLING FOR DATA CENTRES



CABLES AND CONNECTIONS

PVC-, SINGLE-CORE, SHEATHED-, HOSE CABLES
PVC CONTROL LINES, REMOTE- AND FIRE ALARM CABLES
HIGH-CURRENT CABLES, COAXIAL CABLES, INDUSTRIAL CABLES, ELECTRONIC CABLES



LIGHT TECHNOLOGY

INDOOR AND OUTDOOR LIGHTING
TECHNICAL LIGHTING, DECORATIVE LIGHTING
SPECIAL LIGHTING, BULBS

GENERAL INFORMATION

- All **dimensioned drawings** are displayed within the confines of available space on the page and are only intended as a guide.
- All **circuit diagrams** are schematic wiring diagrams which are intended to allow better understanding of the function, and will need to be edited/added to during the course of project planning.
- All **images** represent samples of the product and are intended for information purposes only.

Unless otherwise stipulated, the current version of the General Terms of Delivery issued by The Association of the Austrian Electrical and Electronics Industries "FEEI" shall apply. No liability for errors in text, type or images; we reserve the right to make changes to technical specifications of the product range. The user information contained in this catalog reflect the opinion of the company at the time of writing. The information contained in it was assembled on the basis of published norms, specialist industry presentations, specialist literature and in-house expertise. The content is for informational purposes only and has no validity in law.

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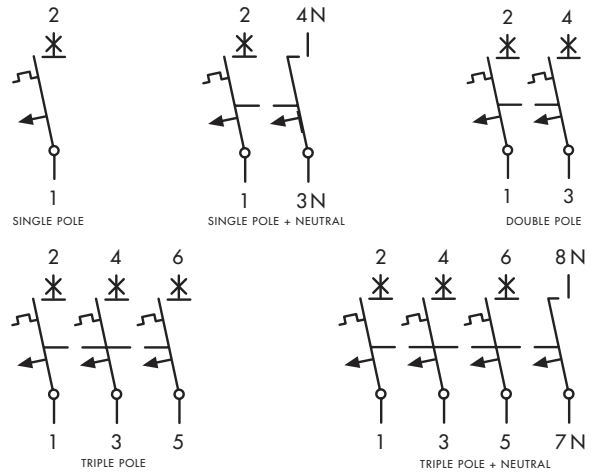
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MCB – BM SERIES 4,5 kA



SCHRACK-INFO

- Rated voltage/frequency: 230 V/400 V AC 50/60 Hz, 240 V/415 V AC 50/60 Hz ME version
- Rated breaking capacity: 4.5 kA according to IEC/EN 60 898
- Rated breaking capacity DC: max 48 V one pole
- Tripping characteristics: B, C according to EN 60 898
- Back up fuse: 80 A gG max (>45 kA)
- Tripping temperature: -5 deg C to +40 deg C
- Operation temperature: -40 deg C to +75 deg C
- Ambient temperature: +50 deg C for ME-type
- Selectivity class: 3
- Degree of protection: IP20
- Endurance: > 8000 Operating cycles
- Window with contact position indicator (Red/Green for each pole)
- Terminal capacity: 1 mm² - 25 mm² (except 1P+N)
- Additional connection capability for busbar block system
- DIN rail mounting (EN 50 022)
- Finger and hand touch safe according to BVG A3/OVE-EN 6

SINGLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
6 A	BM418106	BM417106	-	BM417106ME
10 A	BM418110	BM417110	-	BM417110ME
16 A	BM418116	BM417116	-	BM417116ME
20 A	BM418120	BM417120	-	BM417120ME
25 A	BM418125	BM417125	-	BM417125ME
32 A	BM418132	BM417132	-	BM417132ME
40 A	BM418140	BM417140	-	BM417140ME
50 A	-	BM417150	-	-
63 A	-	BM417163	-	-

SINGLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
6 A	BM418606	BM417606	-	-
10 A	BM418610	BM417610	-	-
16 A	BM418616	BM417616	-	-
20 A	BM418620	BM417620	-	-
25 A	BM418625	BM417625	-	-
32 A	BM418632	BM417632	-	-
40 A	BM418640	BM417640	-	-
50 A	-	BM417650	-	-
63 A	-	BM417663	-	-

MCB – BM SERIES 4,5 kA – continued

DOUBLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
6 A	BM418206	BM417206	–	BM417206ME
10 A	BM418210	BM417210	–	BM417210ME
16 A	BM418216	BM417216	–	BM417216ME
20 A	BM418220	BM417220	–	BM417220ME
25 A	BM418225	BM417225	–	BM417225ME
32 A	BM418232	BM417232	–	BM417232ME
40 A	BM418240	BM417240	–	BM417240ME
50 A	–	BM417250	–	–
63 A	–	BM417263	–	–

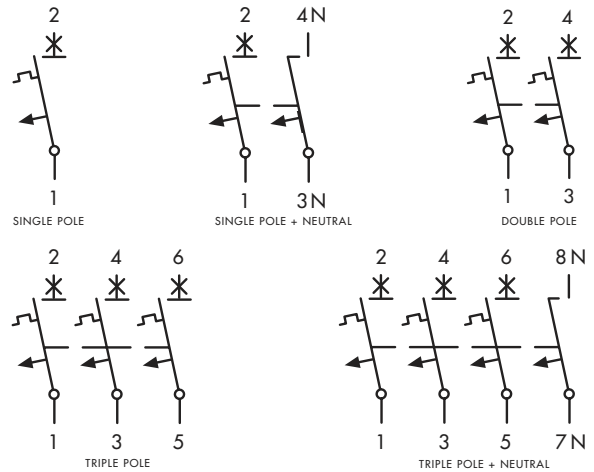
TRIPLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
6 A	BM418306	BM417306	–	BM417306ME
10 A	BM418310	BM417310	–	BM417310ME
16 A	BM418316	BM417316	–	BM417316ME
20 A	BM418320	BM417320	–	BM417320ME
25 A	BM418325	BM417325	–	BM417325ME
32 A	BM418332	BM417332	–	BM417332ME
40 A	BM418340	BM417340	–	BM417340ME
50 A	–	BM417350	–	–
63 A	–	BM417363	–	–

TRIPLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
6 A	BM418806	BM417806	–	BM417806ME
10 A	BM418810	BM417810	–	BM417810ME
16 A	BM418816	BM417816	–	BM417816ME
20 A	BM418820	BM417820	–	BM417820ME
25 A	BM418825	BM417825	–	BM417825ME
32 A	BM418832	BM417832	–	BM417832ME
40 A	BM418840	BM417840	–	BM417840ME
50 A	–	BM417850	–	–
63 A	–	BM417863	–	–

MCB – BM SERIES 6 kA



SCHRACK-INFO

- Rated voltage/frequency: 230 V/400 V AC 50/60 Hz, 240 V/415 V AC 50/60 Hz ME version
- Rated breaking capacity: 6 kA according to IEC/EN 60 898, 10 kA according to IEC/EN 60 947-2
- Rated breaking capacity DC: max 48 V one pole
- Tripping characteristics: B, C according to EN 60 898
- Back up fuse: 100 A gG max (>10 kA)
- Tripping temperature: -5 deg C to +40 deg C
- Operation temperature: -40 deg C to +75 deg C
- Ambient temperature: +50 deg C for ME-type
- Selectivity class: 3
- Degree of protection: IP20
- Endurance: > 8000 Operating cycles
- Window with contact position indicator (Red/Green for each pole)
- Terminal capacity: 1 mm² - 25 mm²
- Additional connection capability for busbar block system
- DIN rail mounting (EN 50 022)
- Finger and hand touch safe according to BVG A3/OVE-EN 6

SINGLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM617102	–	BM617102ME
4 A	–	BM617104	–	BM617104ME
6 A	BM618106	BM617106	–	BM617106ME
10 A	BM618110	BM617110	–	BM617110ME
16 A	BM618116	BM617116	–	BM617116ME
20 A	BM618120	BM617120	–	BM617120ME
25 A	BM618125	BM617125	–	BM617125ME
32 A	BM618132	BM617132	–	BM617132ME
40 A	BM618140	BM617140	–	BM617140ME
50 A	BM618150	BM617150	–	BM617150ME
63 A	BM618163	BM617163	–	BM617163ME

SINGLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM617602	–	–
4 A	–	BM617604	–	–
6 A	BM618606	BM617606	–	–
10 A	BM618610	BM617610	–	–
16 A	BM618616	BM617616	–	–
20 A	BM618620	BM617620	–	–
25 A	BM618625	BM617625	–	–
32 A	BM618632	BM617632	–	–
40 A	BM618640	BM617640	–	–
50 A	–	BM617650	–	–
63 A	–	BM617663	–	–

MCB – BM SERIES 6 kA – continued

DOUBLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM617202	–	BM617202ME
4 A	–	BM617204	–	BM617204ME
6 A	BM618206	BM617206	–	BM617206ME
10 A	BM618210	BM617210	–	BM617210ME
16 A	BM618216	BM617216	–	BM617216ME
20 A	BM618220	BM617220	–	BM617220ME
25 A	BM618225	BM617225	–	BM617225ME
32 A	BM618232	BM617232	–	BM617232ME
40 A	BM618240	BM617240	–	BM617240ME
50 A	BM618250	BM617250	–	BM617250ME
63 A	BM618263	BM617263	–	BM617263ME

TRIPLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM617302	–	BM617302ME
4 A	–	BM617304	–	BM617304ME
6 A	BM618306	BM617306	–	BM617306ME
10 A	BM618310	BM617310	–	BM617310ME
16 A	BM618316	BM617316	–	BM617316ME
20 A	BM618320	BM617320	–	BM617320ME
25 A	BM618325	BM617325	–	BM617325ME
32 A	BM618332	BM617332	–	BM617332ME
40 A	BM618340	BM617340	–	BM617340ME
50 A	BM618350	BM617350	–	BM617350ME
63 A	BM618363	BM617363	–	BM617363ME

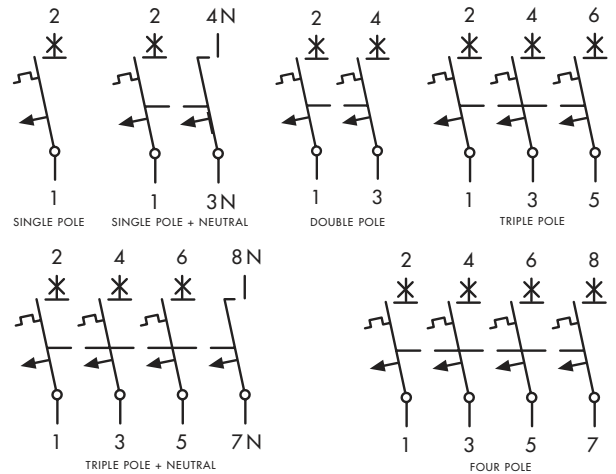
TRIPLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM617802	–	BM617802ME
4 A	–	BM617804	–	BM617804ME
6 A	BM618806	BM617806	–	BM617806ME
10 A	BM618810	BM617810	–	BM617810ME
16 A	BM618816	BM617816	–	BM617816ME
20 A	BM618820	BM617820	–	BM617820ME
25 A	BM618825	BM617825	–	BM617825ME
32 A	BM618832	BM617832	–	BM617832ME
40 A	BM618840	BM617840	–	BM617840ME
50 A	BM618850	BM617850	–	BM617850ME
63 A	BM618863	BM617863	–	BM617863ME

FOUR POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	–	–	–
4 A	–	–	–	–
6 A	–	BM617406	–	–
10 A	–	BM617410	–	–
16 A	–	BM617416	–	–
20 A	–	BM617420	–	–
25 A	–	BM617425	–	–
32 A	–	BM617432	–	–
40 A	–	BM617440	–	–
50 A	–	BM617450	–	–
63 A	–	BM617463	–	–

MCB – BM SERIES 10 kA



SCHRACK-INFO

- Rated voltage/frequency: 230 V/400 V AC 50/60 Hz
- Rated breaking capacity: 10 kA according to IEC/EN 60 898, 15 kA according to IEC/EN 60 947-2
- Rated breaking capacity DC: max 48 V one pole
- Tripping characteristics: B, C, D according to EN 60 898
- Back up fuse: 100 A gG max (>10 kA)
- Tripping temperature: -5 deg C to +40 deg C
- Operation temperature: -40 deg C to +75 deg C
- Ambient temperature: +50 deg C for ME-type
- Selectivity class: 3
- Degree of protection: IP20
- Endurance: > 8000 Operating cycles
- Window with contact position indicator (Red/Green for each pole)
- Terminal capacity: 1 mm² - 25 mm² (except 1P+N)
- Additional connection capability for busbar block system
- DIN rail mounting (EN 50 022)
- Finger and hand touch safe according to BVG A3/OVE-EN 6

SINGLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM017102	BM019102	BM017102ME
4 A	–	BM017104	BM019104	BM017104ME
6 A	BM018106	BM017106	BM019106	BM017106ME
10 A	BM018110	BM017110	BM019110	BM017110ME
16 A	BM018116	BM017116	BM019116	BM017116ME
20 A	BM018120	BM017120	BM019120	BM017120ME
25 A	BM018125	BM017125	BM019125	BM017125ME
32 A	BM018132	BM017132	BM019132	BM017132ME
40 A	BM018140	BM017140	BM019140	BM017140ME
50 A	BM018150	BM017150	–	BM017150ME
63 A	BM018163	BM017163	–	BM017163ME

SINGLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	BM018602	BM017602	–	–
4 A	BM018604	BM017604	–	–
6 A	BM018606	BM017606	–	–
10 A	BM018610	BM017610	–	–
16 A	BM018616	BM017616	–	–
20 A	BM018620	BM017620	–	–
25 A	BM018625	BM017625	–	–
32 A	BM018632	BM017632	–	–
40 A	BM018640	BM017640	–	–
50 A	BM018650	BM017650	–	–
63 A	BM018663	BM017663	–	–

MCB – BM SERIES 10 kA – continued

DOUBLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM017202	BM019202	BM017202ME
4 A	–	BM017204	BM019204	BM017204ME
6 A	BM018206	BM017206	BM019206	BM017206ME
10 A	BM018210	BM017210	BM019210	BM017210ME
16 A	BM018216	BM017216	BM019216	BM017216ME
20 A	BM018220	BM017220	BM019220	BM017220ME
25 A	BM018225	BM017225	BM019225	BM017225ME
32 A	BM018232	BM017232	BM019232	BM017232ME
40 A	BM018240	BM017240	BM019240	BM017240ME
50 A	BM018250	BM017250	–	BM017250ME
63 A	BM018263	BM017263	–	BM017263ME

TRIPLE POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM017302	BM019302	BM017302ME
4 A	–	BM017304	BM019304	BM017304ME
6 A	BM018306	BM017306	BM019306	BM017306ME
10 A	BM018310	BM017310	BM019310	BM017310ME
16 A	BM018316	BM017316	BM019316	BM017316ME
20 A	BM018320	BM017320	BM019320	BM017320ME
25 A	BM018325	BM017325	BM019325	BM017325ME
32 A	BM018332	BM017332	BM019332	BM017332ME
40 A	BM018340	BM017340	BM019340	BM017340ME
50 A	BM018350	BM017350	–	BM017350ME
63 A	BM018363	BM017363	–	BM017363ME

TRIPLE POLE + NEUTRAL

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	BM017802	BM019802	BM017802ME
4 A	–	BM017804	BM019804	BM017804ME
6 A	BM018806	BM017806	BM019806	BM017806ME
10 A	BM018810	BM017810	BM019810	BM017810ME
16 A	BM018816	BM017816	BM019816	BM017816ME
20 A	BM018820	BM017820	BM019820	BM017820ME
25 A	BM018825	BM017825	BM019825	BM017825ME
32 A	BM018832	BM017832	BM019832	BM017832ME
40 A	BM018840	BM017840	BM019840	BM017840ME
50 A	BM018850	BM017850	–	BM017850ME
63 A	BM018863	BM017863	–	BM017863ME

FOUR POLE

RATED CURRENT	TYPE B / CAL. TEMP 30°C	TYPE C / CAL. TEMP 30°C	TYPE D / CAL. TEMP 30°C	TYPE C / CAL. TEMP 40°C
2 A	–	–	–	–
4 A	–	–	–	–
6 A	–	BM017406	BM019406	–
10 A	–	BM017410	BM019410	–
16 A	–	BM017416	BM019416	–
20 A	–	BM017420	BM019420	–
25 A	–	BM017425	BM019425	–
32 A	–	BM017432	BM019432	–
40 A	–	BM017440	BM019440	–
50 A	–	BM017450	–	–
63 A	–	BM017463	–	–

MCB – BS 1+N SERIES 4,5 kA / 6 kA



SCHRACK-INFO

- Rated voltage/frequency: 230 V AC, 50/60 Hz
- Rated breaking capacity: 4,5 kA according to IEC/EN 60 898
6 kA according to IEC/EN 60 898
- Rated breaking capacity DC: max 48 V
- Tripping characteristics: B, C according to EN 60 898
- Back up fuse: 4,5 kA - Type 80 A gG max (>4,5 kA)
6 kA - Type 100 A gG max (>10 kA)
- Tripping temperature: -5 deg C to +40 deg C
- Operation temperature: -40 deg C to +75 deg C
- Selectivity class: 3
- Degree of protection: IP20
- Endurance: > 8000 Operating cycles
- Window with contact position indicator (Red/Green)
- Terminal capacity: 1 mm² - 16 mm²
- Additional connection capability for busbar block system
- DIN rail mounting (EN 50 022)
- Finger and hand touch safe according to BVG A3/OVE-EN 6

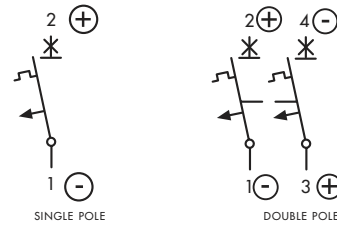
4,5 kA

RATED CURRENT	TYPE B CAL. TEMP 30°C	TYPE C CAL. TEMP 30°C
2 A	–	BS417502
4 A	–	BS417504
6 A	BS418506	BS417506
10 A	BS418510	BS417510
16 A	BS418516	BS417516
20 A	BS418520	BS417520
25 A	BS418525	BS417525
32 A	BS418532	BS417532
40 A	BS418540	BS417540

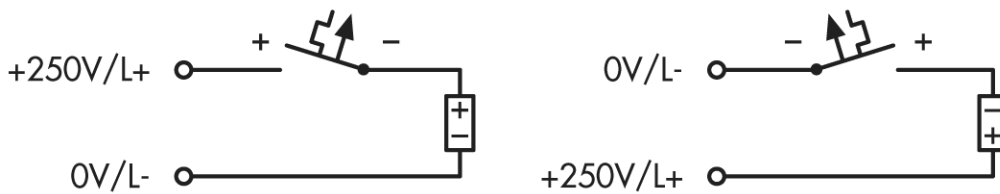
6 kA

RATED CURRENT	TYPE B CAL. TEMP 30°C	TYPE C CAL. TEMP 30°C
2 A	–	BS017502
4 A	–	BS017504
6 A	BS018506	BS017506
10 A	BS018510	BS017510
16 A	BS018516	BS017516
20 A	BS018520	BS017520
25 A	BS018525	BS017525
32 A	BS018532	BS017532
40 A	BS018540	BS017540

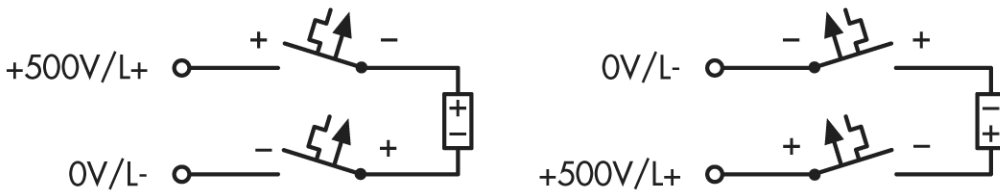
MCB – SERIES BMS0-DC



Connection example for 250V=, single pole



Connection example for 500V=, double pole



SCHRACK-INFO

- Rated voltage: 220 V DC per pole; T = 4 ms
- Switching capacity: 6 kA acc. to IEC/EN 60898
- Back-up fuse max.: 100 A gL
- Tripping characteristics: C
- Terminal capacity: 1-25 mm²
- Take in account polarity
- Designed for use in DC installations

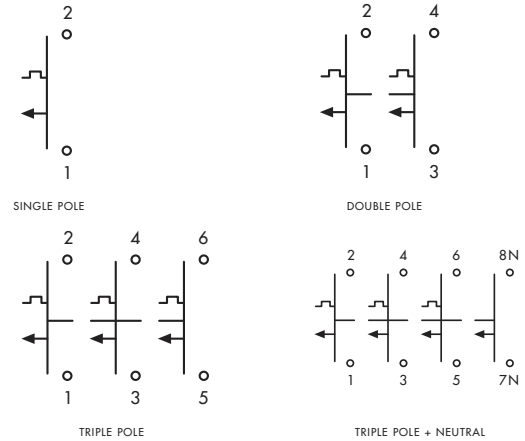
SINGLE POLE

RATED CURRENT	TYPE	ORDER NO.
2 A	BMS0-C 2/1-DC	BM015102
6 A	BMS0-C 6/1-DC	BM015106
10 A	BMS0-C 10/1-DC	BM015110
16 A	BMS0-C 16/1-DC	BM015116
20 A	BMS0-C 20/1-DC	BM015120
25 A	BMS0-C 25/1-DC	BM015125
32 A	BMS0-C 32/1-DC	BM015132
40 A	BMS0-C 40/1-DC	BM015140
50 A	BMS0-C 50/1-DC	BM015150

DOUBLE POLE

RATED CURRENT	TYPE	ORDER NO.
2 A	BMS0-C 2/2-DC	BM015202
6 A	BMS0-C 6/2-DC	BM015206
10 A	BMS0-C 10/2-DC	BM015210
16 A	BMS0-C 16/2-DC	BM015216
20 A	BMS0-C 20/2-DC	BM015220
25 A	BMS0-C 25/2-DC	BM015225
32 A	BMS0-C 32/2-DC	BM015232
40 A	BMS0-C 40/2-DC	BM015240
50 A	BMS0-C 50/2-DC	BM015250

MCB – HIGH CURRENT BR SERIES 15 – 25 kA



SCHRACK-INFO

- Rated voltage/frequency: 230 V/400 V AC 50/60 Hz
- Rated breaking capacity: 15-25 kA according to marking
- Rated breaking capacity DC: max 60 V one pole
- Tripping characteristics: C & D according to EN 60 898
- Back up fuse: 200 A gG max (>20 kA)
- Tripping temperature: -5 deg C to +40 deg C
- Degree of protection: IP20
- Endurance: > 20,000 Operating cycles
- Window with contact position indicator (Red/Green for each pole)
- Terminal capacity: 2,5 mm² - 50 mm²
- Double break switching contact
- DIN rail mounting (EN 50 022)

SINGLE POLE

RATED CURRENT	TYPE C CAL. TEMP 30°C	TYPE D CAL. TEMP 30°C
20 A	BR571200	BR591200
25 A	BR571250	BR591250
32 A	BR571320	BR591320
40 A	BR571400	BR591400
50 A	BR571500	BR591500
63 A	BR571630	BR591630
80 A	BR571800	BR591800
100 A	BR571910	BR591910
125 A	BR571912	-

DOUBLE POLE

RATED CURRENT	TYPE C CAL. TEMP 30°C	TYPE D CAL. TEMP 30°C
20 A	BR572200	BR592200
25 A	BR572250	BR592250
32 A	BR572320	BR592320
40 A	BR572400	BR592400
50 A	BR572500	BR592500
63 A	BR572630	BR592630
80 A	BR572800	BR592800
100 A	BR572910	BR592910
125 A	BR572912	-

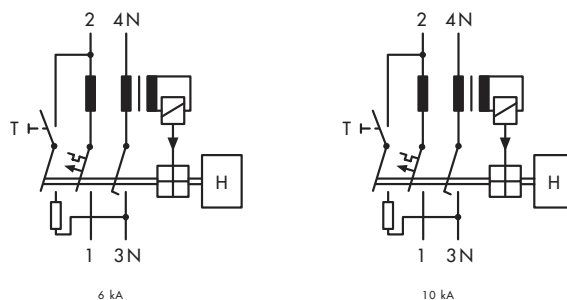
TRIPLE POLE

RATED CURRENT	TYPE C CAL. TEMP 30°C	TYPE D CAL. TEMP 30°C
20 A	BR573200	BR593200
25 A	BR573250	BR593250
32 A	BR573320	BR593320
40 A	BR573400	BR593400
50 A	BR573500	BR593500
63 A	BR573630	BR593630
80 A	BR573800	BR593800
100 A	BR573910	BR593910
125 A	BR573912	-

TRIPLE POLE + NEUTRAL

RATED CURRENT	TYPE C CAL. TEMP 30°C	TYPE D CAL. TEMP 30°C
20 A	BR578200	BR598200
25 A	BR578250	BR598250
32 A	BR578320	BR598320
40 A	BR578400	BR598400
50 A	BR578500	BR598500
63 A	BR578630	BR598630
80 A	BR578800	BR598800
100 A	BR578910	BR598910
125 A	BR578912	-

RCBO – COMBINED MCB AND RCCB SERIES LS-FI



SCHRACK-INFO

- Single pole with switchable neutral
- Tripping independent of line voltage
- Tripping times: undelayed
- Rated voltage/frequency: 230 V/50 Hz
- Rated tripping current: 30 mA, 100mA and 300mA
- Sensitivity: AC 6 kA & 10 kA, Pulsating DC (10 kA only)
- Selectivity class: 3
- Rated breaking capacity:
6 kA & 10 kA according to IEC/EN 61009
- Rated current: 6-40 A
- Characteristic: B and C according to EN 60 898
- Max back-up fuse (short circuit): 100 A gG (>10 kA)
- Endurance: Electrical: > 4000 operating cycles,
Mechanical: > 20000 operating cycles
- Contact position colour indicator (Red/Green)
- Indicator: blue: switch off default,
white: switch off manual
- Terminal capacity: 1 mm² - 25 mm²
- Additional connection capability for busbar block system
- DIN rail mounting (EN 50 022)
- Finger and hand touch safe according to BVG A3/OVE-EN 6

6 kA – 30 mA

RATED CURRENT	TYPE B AC	TYPE B PULSE	TYPE C AC	TYPE C PULSE
6 A	BO668506	BO668606	BO667506	BO667606
10 A	BO668510	BO668610	BO667510	BO667610
16 A	BO668516	BO668616	BO667516	BO667616
20 A	BO668520	BO668620	BO667520	BO667620
25 A	BO668525	BO668625	BO667525	BO667625
32 A	BO668532	BO668632	BO667532	BO667632
40 A	BO668540	BO668640	BO667540	BO667640

10 kA – 30 mA

RATED CURRENT	TYPE B AC	TYPE B PULSE	TYPE C AC	TYPE C PULSE
6 A	BO618506	BO618606	BO617506	BO617606
10 A	BO618510	BO618610	BO617510	BO617610
16 A	BO618516	BO618616	BO617516	BO617616
20 A	BO618520	BO618620	BO617520	BO617620
25 A	BO618525	BO618625	BO617525	BO617625
32 A	BO618532	BO618632	BO617532	BO617632
40 A	BO618540	BO618640	BO617540	BO617640

10 kA – 100 mA

RATED CURRENT	TYPE B AC	TYPE B PULSE	TYPE C AC	TYPE C PULSE
6 A	BO718506	–	–	–
10 A	BO718510	BO718610	BO717510	BO717610
16 A	BO718516	BO718616	BO717516	BO717616
20 A	–	BO718620	BO717520	BO717620
25 A	–	–	BO717525	–
32 A	–	–	BO717532	–
40 A	–	–	BO717540	–

10 kA – 300 mA

RATED CURRENT	TYPE B AC	TYPE B PULSE	TYPE C AC	TYPE C PULSE
6 A	BO818506	BO818606	BO817506	BO817606
10 A	BO818510	BO818610	BO817510	BO817610
16 A	–	BO818616	BO817516	BO817616
20 A	–	BO818620	BO817520	BO817620
25 A	–	BO818625	BO817525	BO817625
32 A	–	BO818632	BO817532	BO817632
40 A	–	BO818640	BO817540	BO817640

■ SINGLE MODULE RCBO SERIES LS-DI/PT



■ SCHRACK-INFO

- Same width and profile as single pole MCB
- Rated voltage/frequency: 240 V 50/60 Hz
- Rated breaking capacity: 6 kA
- 30 mA Sensitivity (10mA, 100 mA and 300 mA on request)
- Contact position indicator
- Selectivity class: 3
- AC class sensitivity
- Rated current: 6-40 A
- Characteristic: B and C according to EN/IEC 60 898
- Class 3 let through energy classification
- Terminal capacity: 1 mm² - 25 mm²
- Flying Neutral lead 950 mm
- Sealable in On and Off positions
- Finger and hand touch safe terminals
- Manufactured and tested to IEC/EN 61009

■ 6 kA – 10 mA

RATED CURRENT	TYPE B AC	TYPE C AC
6 A	on request	BI557506ME
10 A	on request	BI557510ME
16 A	on request	BI557516ME
20 A	on request	BI557520ME
25 A	on request	BI557525ME
32 A	on request	BI557532ME
40 A	on request	BI557540ME

■ 6 kA – 30 mA

RATED CURRENT	TYPE B AC	TYPE C AC
6 A	BI658506	BI657506
10 A	BI658510	BI657510
16 A	BI658516	BI657516
20 A	BI658520	BI657520
25 A	BI658525	BI657525
32 A	BI658532	BI657532
40 A	BI658540	BI657540

■ 6 kA – 100 mA

RATED CURRENT	TYPE B AC	TYPE C AC
6 A	on request	BI757506ME
10 A	on request	BI757510ME
16 A	on request	BI757516ME
20 A	on request	BI757520ME
25 A	on request	BI757525ME
32 A	on request	BI757532ME
40 A	on request	BI757540ME

■ RCCBS – RESIDUAL CURRENT ADD-ON BLOCK, SERIES BB



■ SCHRACK-INFO

- Tripping times:
 - undelayed, conditionally surge current proof up to 250 A (8/20 μ s)
 - delayed at least 40 ms (Type S), surge current proof up to 5 kA (8/20 μ s), with selective disconnecting function
- Rated voltage: 230/400 V; 50 Hz
- Rated current: ≤ 40 A, ≤ 63 A, ≤ 80 A, ≤ 125 A
- Rated tripping current: 30 mA, 300 mA (others on request)
- Tripping time: non-delayed, type S min. 40 ms delay
- Sensitivity: AC ~ and pulsating DC
- Rated short-circuit strength: same as BM-Series MCBs
- Back-up fuse for overload and short-circuit protection: by BM-Series MCBs
- Service life: same as Miniature Circuit Breakers series BM
- Prevents nuisance tripping caused by switching Electronic Light Devices (ELD)
- Ambient operating temperature: -25° C to $+40^{\circ}$ C
- Endurance: same as BM Series MCBs
- Terminals: 2/4-pole, lift terminals on both sides, 1-25 mm² cross-section finger/handtouch safe according to VBG 4, ÖVE-EN 6
- For subsequent mounting onto all BM-Series MCBs
- RCD blocks to be connected to MCBs with a maximum rated current of 40 A are mechanically interlocked against MCBs with a rated current of > 40 A.

■ SURGE CURRENT PROOF >250 A, PULSE

RATED CURRENT	TYPE	ORDER NO.
0.03 A	BB-402/003-A	BB044203
0.3 A	BB-402/03-A	BB044230
0.03 A	BB-404/003-A	BB044403
0.3 A	BB-404/03-A	BB044430
0.03 A	BB-632/003-A	BB046203
0.3 A	BB-632/03-A	BB046230
0.03 A	BB-634/003-A	BB046403
0.3 A	BB-634/03-A	BB046430
0.03 A	BB-802/003-A	BB048203
0.1 A	BB-802/1-A	BB048200
0.3 A	BB-802/03-A	BB048230
0.5 A	BB-802/05-A	BB048250
0.03 A	BB-804/003-A	BB048403
0.1 A	BB-804/1-A	BB048400
0.3 A	BB-804/03-A	BB048430
0.5 A	BB-804/05-A	BB048450
0.03 A	BB-1252/003-A	BB047203
0.1 A	BB-1252/1-A	BB047200
0.3 A	BB-1252/03-A	BB047230
0.5 A	BB-1252/05-A	BB047250
0.03 A	BB-1254/003-A	BB047403
0.1 A	BB-1254/1-A	BB047400
0.3 A	BB-1254/03-A	BB047430
0.5 A	BB-1254/05-A	BB047450

■ SURGE CURRENT PROOF 5 kA, TYPE S

RATED CURRENT	TYPE	ORDER NO.
0.1 A	BB-402/01-S	BB074210
0.3 A	BB-402/03-S	BB074230
0.1 A	BB-404/01-S	BB074410
0.3 A	BB-404/03-S	BB074430
0.1 A	BB-632/01-S	BB076210
0.3 A	BB-632/03-S	BB076230
0.1 A	BB-634/1-S	BB076400
0.1 A	BB-634/01-S	BB076410
0.3 A	BB-634/03-S	BB076430
0.1 A	BB-804/01-S	BB068400
0.3 A	BB-804/03-S	BB068430
0.5 A	BB-804/05-S	BB068450
0.1 A	BB-1254/01-S	BB067400
0.3 A	BB-1254/03-S	BB067430
0.5 A	BB-1254/05-S	BB067450

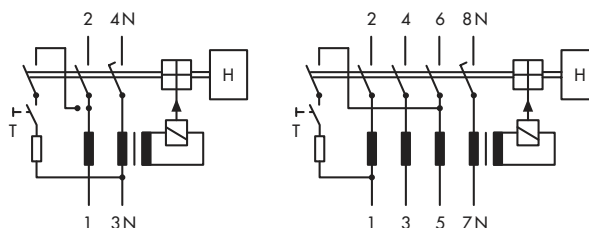
■ SURGE CURRENT PROOF >250 A

RATED CURRENT	TYPE	ORDER NO.
0.03 A	BB-402/003	BB004203
0.3 A	BB-402/03	BB004230
0.03 A	BB-404/003	BB004403
0.3 A	BB-404/03	BB004430
0.03 A	BB-632/003	BB006203
0.3 A	BB-632/03	BB006230
0.03 A	BB-634/003	BB006403
0.3 A	BB-634/03	BB006430
0.3 A	BB-634/03SA	BB066430
1 A	BB-634/1	BB066400
0.03 A	BB-802/003	BB008203
0.3 A	BB-802/03	BB008230
0.5 A	BB-802/05	BB008250
1 A	BB-802/1	BB008200
0.03 A	BB-804/003	BB008403
0.3 A	BB-804/03	BB008430
0.5 A	BB-804/05	BB008450
1 A	BB-804/1	BB008400
0.03 A	BB-1252/003	BB007203
0.3 A	BB-1252/03	BB007230
0.5 A	BB-1252/05	BB007250
1 A	BB-1252/1	BB007200
0.03 A	BB-1254/003	BB007403
0.3 A	BB-1254/03	BB007430
0.5 A	BB-1254/05	BB007450
1 A	BB-1254/1	BB007400

■ SURGE CURRENT PROOF 3 kA, TYPE G

RATED CURRENT	TYPE	ORDER NO.
0.03 A	BB-404/003-G	BB024403
0.03 A	BB-402/003-G	BB024203

RCCB – RESIDUAL CURRENT CIRCUIT BREAKER SERIES BC



SCHRACK-INFO

- Rated voltage:
6kA: 4P 230 V/400 V AC, 2P 230 V AC 50 Hz
10 kA: 4P 250 V/400 V AC, 2P 250 V AC 50 Hz
- Rated temperature: -25°C to +40°C
- Maximum back up fuse as short circuit protection:
6kA: 63 A gG (25 A-63 A)
10kA: 100 A gG
- Maximum back up fuse as overload protection:
6kA: 25 A gL (for 25 A, 40 A), 40 A gG (for 63 A)
10kA: 50 A gL (for 80 A), 63 A gG (for 100 A)
- Finger protection to BVG A3/ÖVE-EN 6
- Design according to EN 61 008, IEC 1008
- DIN rail mounting (EN 50 022)

6kA – 30 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC602203	BC652203	BC602103	BC652103
40 A	BC604203	BC654203	BC604103	BC654103
63 A	BC606203	BC656203	BC606103	BC656103

10kA – 30 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC002203	BC052203	BC002103	BC052103
40 A	BC004203	BC054203	BC004103	BC054103
63 A	BC006203	BC056203	BC006103	BC056103
80 A	BC008203	–	BC008103	BC058103
100 A	BC000203	–	BC000103	BC050103

6kA – 100 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC602210	BC652210	BC602110	BC652110
40 A	BC604210	BC654210	BC604110	BC654110
63 A	BC606210	BC656210	BC606110	BC656110

10kA – 100 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC002210	BC052210	BC002110	BC052110
40 A	BC004210	BC054210	BC004110	BC054110
63 A	BC006210	–	BC006110	BC056110
80 A	–	–	BC008110	BC058110
100 A	–	–	BC000110	BC050110

6kA – 300 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC602230	BC652230	BC602130	BC652130
40 A	BC604230	BC654230	BC604130	BC654130
63 A	BC606230	BC656230	BC606130	BC656130

10kA – 300 mA

RATED CURRENT	2 POLE AC	2 POLE PULSE	4 POLE AC	4 POLE PULSE
25 A	BC002230	BC052230	BC002130	BC052130
40 A	BC004230	BC054230	BC004130	BC054130
63 A	BC006230	BC056230	BC006130	BC056130
80 A	–	–	BC008130	BC058130
100 A	–	–	BC000130	BC050130

MODULAR ISOLATORS – BZ SERIES



SCHRACK-INFO

- Design in accordance with IEC/EN 60 947-3
- Rated voltage/frequency: 230 V/400 V AC 50/60 Hz
240 V/415 V AC 50/60 Hz ME version
- Terminal capacity: 2,5 mm² - 50 mm²
- Max back-up fuse (short circuit): 100 A gG
- IP20
- DIN rail mounting (EN 50 022)
- Connection suitable for busbar
- Contact position indicator (Red/Green)

SINGLE POLE

RATED CURRENT	ORDER NO.	ORDER NO.
40 A	BZ900241	on request
63 A	BZ900261	on request
80 A	BZ900281	on request
100 A	BZ900201	on request
125 A	BZ900221	on request

DOUBLE POLE

RATED CURRENT	ORDER NO.	ORDER NO.
40 A	BZ900242	BZ900242ME
63 A	BZ900262	BZ900262ME
80 A	BZ900282	BZ900282ME
100 A	BZ900202	BZ900202ME
125 A	BZ900222	BZ900222ME

TRIPLE POLE

RATED CURRENT	ORDER NO.	ORDER NO.
40 A	BZ900243	BZ900243ME
63 A	BZ900263	BZ900263ME
80 A	BZ900283	BZ900283ME
100 A	BZ900203	BZ900203ME
125 A	BZ900223	BZ900223ME

TRIPLE POLE + NEUTRAL

RATED CURRENT	ORDER NO.	ORDER NO.
40 A	BZ900244	BZ900244ME
63 A	BZ900264	BZ900264ME
80 A	BZ900284	BZ900284ME
100 A	BZ900204	BZ900204ME
125 A	BZ900224	BZ900224ME

AUXILIARY CONTACT FOR CONTROL PURPOSES



SCHRACK-INFO

- Thermal rated current: 8 A
- Rated voltage: 250 V/440 V AC; 50/60 Hz
- Minimum rated voltage: 24 V per insulation contact
- AC13: 6 A/250 V – 2 A/440 V, DC13: 4 A/60 V – 0.5 A/230 V
- Maximum backup fuse: 4 A GI or SI-H
- Contacts: 1 NO + 1 NC
- Retrofittable

DESCRIPTION	DIMENSION (mm)	ORDER NO.
1 NC + 1 NO for BC (RCCBs) screw on type	8,8 x 80 x 65,5	BD900002
1 NC + 1 NO for BM (MCBs) & BU (RCBOs) screw on type	8,8 x 80 x 65,5	BD900006
1 NC + 1 NO for BM (MCBs) & BU (RCBOs) snap on type	8,8 x 80 x 65,5	BM900001
1 NC + 1 NO for BR screw on type	9 x 90 x 65,5	BR900005

AUXILIARY/TRIP SIGNAL CONTACT



SCHRACK-INFO

- Thermal rated current: 5 A
- Rated voltage: 250 V/440 V AC; 50/60 Hz
- Minimum rated voltage: 5 V AC/DC per insulation contact
- Minimum rated current 10 mA per insulation contact
- Maximum backup fuse: 4 A gG or SI-H
- AC12: 2A 230V, AC15: 1 A 230 V, DC12: 0,5 A 110 V
- 2 CO contacts (auxiliary contacts) or 1 CO contact (aux.contact) + 1 CO contact (electrical tripping)
- For use with MCBs-BM series, RCCBs-BC series up to 63 A, retrofittable

DESCRIPTION	DIMENSION (mm)	ORDER NO.
2 CO contact (screw on-type)	8,8 x 80 x 65,5	BD900022
2 CO contact (snap on-type)	8,8 x 80 x 65,5	BM900022

PROTECTIVE CAP IP 20 FOR SERIES BS



SCHRACK-INFO

- Cover for terminal screws for one screw per pole

DESCRIPTION	DIMENSION (mm)	ORDER NO.
IP20/BS	17x19x10,5	BS900030

REMOTE RELEASE



SCHRACK-INFO

- Operating voltage 230 V Type: 110-410 V AC, 110-220 V DC
- Operating voltage 24 V Type: 12-110 V AC, 12-60 V DC
- Switch position indicator
- Optional mounting of signal contact
- Power requirement of low voltage source for 24 V type approx 63 VA
- For use with MCBs-BS series, MP

RATED VOLTAGE	DIMENSION (mm)	ORDER NO.
UB=12-110 V AC 12-60 V DC	17,7 (26,2) x 80 x 75,5	BM900005
UB=110-415 V AC 110- 220 V DC	17,7 (26,2) x 80 x 75,5	BM900006
UB=12-60 V AC für BR	27 x 80 x 75,5	BR900004
UB=110-415 V AC für BR	27 x 80 x 75,5	BR900003

UNDER VOLTAGE RELEASE



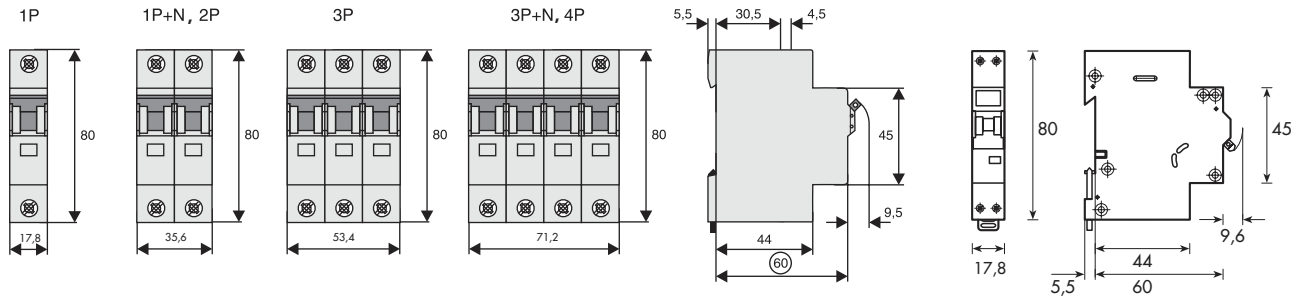
SCHRACK-INFO

- Terminal capacity: 1-2 x 2.5 mm
- Raising clamp terminal
- DIN rail mounting on DIN rail EN 50022
- Function indicator
- Service button for no-voltage switching
- For use with MCBs-BM series, MP

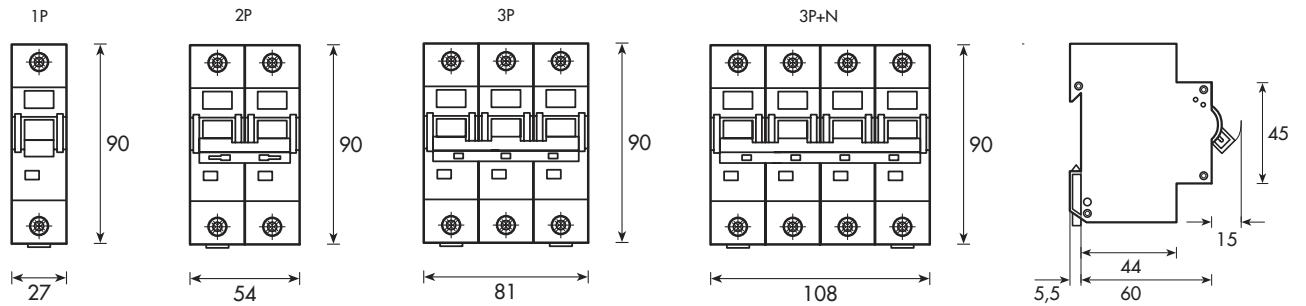
RATED VOLTAGE	DIMENSION (mm)	ORDER NO.
115 V AC Undelayed	17,5 x 80 x 75,1	BS900007
230 V AC Undelayed	17,5 x 80 x 75,1	BS900008
400 V AC Undelayed	17,5 x 80 x 75,1	BS900009

DIMENSIONS

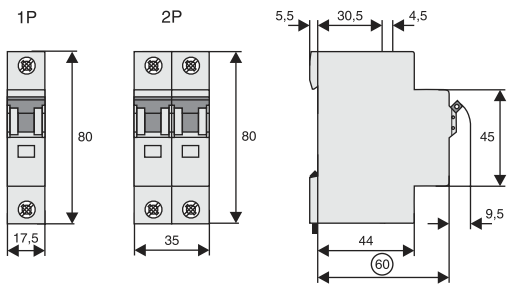
MCB – BM SERIES 4,5 kA / 6 kA / 10kA AND MODULAR ISOLATORS – BZ SERIES



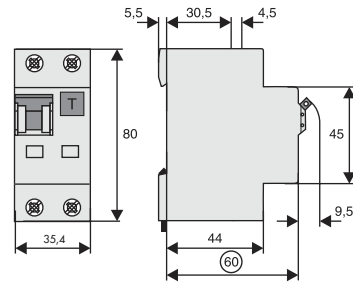
MCB – HIGH CURRENT BR SERIES 15 – 25 kA



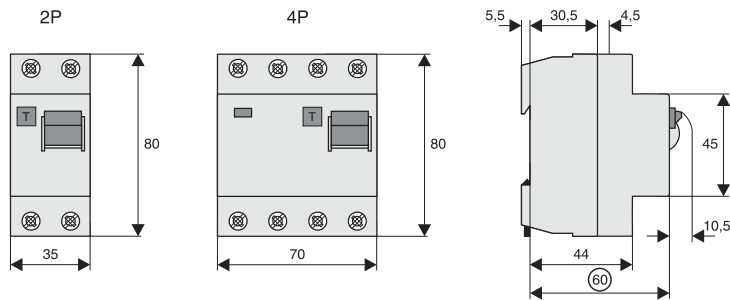
MCB – SERIES BMS0-DC



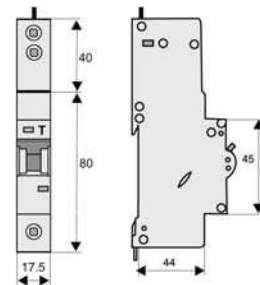
RCBO – COMBINED MCB AND RCCB SERIES LS-FI



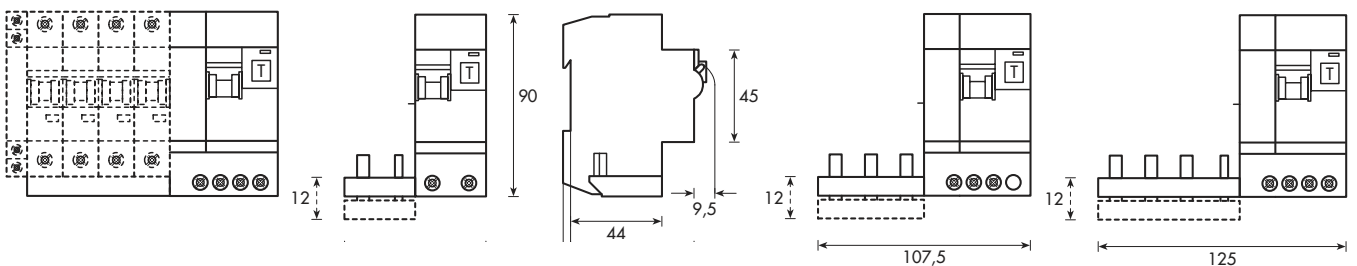
RCCB – RESIDUAL CURRENT CIRCUIT BREAKER SERIES BC



SINGLE MODULE RCBO SERIES LS-DI/PT

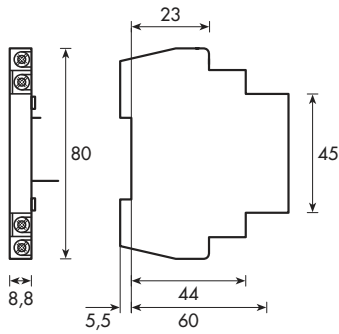


RCCBS – RESIDUAL CURRENT ADD-ON BLOCK, SERIES BB

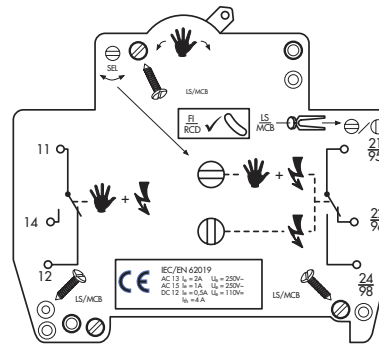


DIMENSIONS

AUXILIARY CONTACT FOR CONTROL PURPOSES

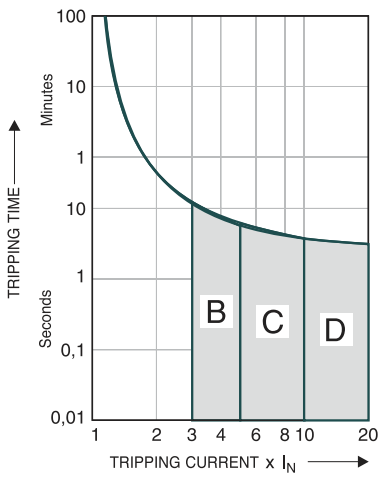


AUXILIARY/TRIP SIGNAL CONTACT



TRIPPING CHARACTERISTICS (IEC/EN 60898)

Tripping characteristics B, C and D

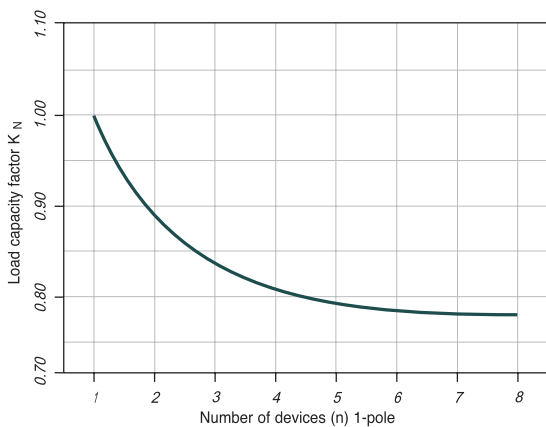


Quick-acting (B), slow (C), very slow (D)

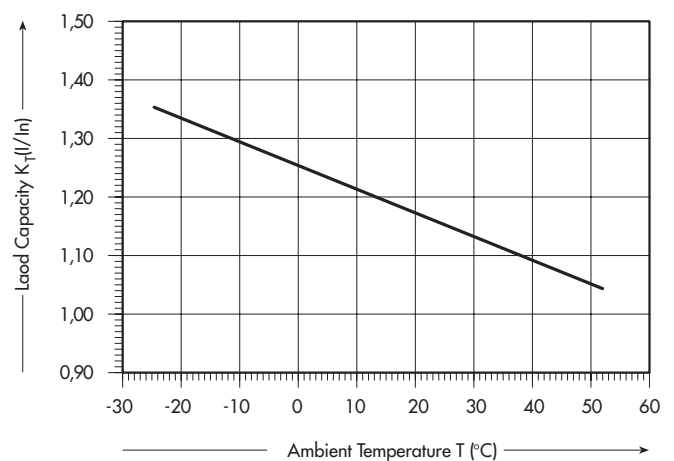
LOAD CAPACITY

- Valid for single pole switches series BM
- Reliable load capacity for ambient operating temperature T ($^{\circ}\text{C}$) and n switches $I_{DL} = I_n \cdot K(T) \cdot K(N)$

Load capacity for block mounting



Influence of the ambient operating temperature



EFFECT OF THE AMBIENT TEMPERATURE ON THERMAL TRIPPING BEHAVIOUR

Adjusted rated current values according to the ambient temperature at 30° C.

I _n [A]	Ambient temperature T [°C]												
	-25	-20	-10	0	10	20	30	35	40	45	50	55	60
0.16	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14
0.25	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22
0.5	0.61	0.60	0.58	0.56	0.54	0.52	0.50	0.49	0.48	0.47	0.46	0.45	0.44
0.75	0.92	0.90	0.87	0.84	0.81	0.78	0.75	0.74	0.73	0.71	0.69	0.68	0.66
1	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89
1.5	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.3
1.6	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4
2	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8
2.5	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
3	3.7	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7
3.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.4	3.3	3.2	3.2	3.1
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5
5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4
6	7.3	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3
8	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.9	7.7	7.6	7.4	7.2	7.1
10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9
12	15	14	14	13	13	13	12	12	12	11	11	11	11
13	16	16	15	15	14	14	13	13	13	12	12	12	12
15	18	18	17	17	16	16	15	15	15	14	14	14	13
16	20	19	19	18	17	17	16	16	15	15	15	14	14
20	24	24	23	22	22	21	20	20	19	19	19	18	18
25	31	30	29	28	27	26	25	25	24	24	23	23	22
32	39	38	37	36	35	33	32	32	31	30	30	29	28
40	49	48	47	45	43	42	40	39	39	38	37	36	35
50	61	60	58	56	54	52	50	49	48	47	46	45	44
63	77	76	73	71	68	66	63	62	61	60	58	57	56

Adjusted rated current values according to the ambient temperature at 40° C.

I _n [A]	Ambient Temperature T [°C]										
	-10	0	10	20	30	35	40	45	50	55	60
0,16	0,20	0,19	0,19	0,18	0,17	0,17	0,16	0,16	0,15	0,15	0,15
0,25	0,31	0,30	0,29	0,28	0,27	0,26	0,25	0,25	0,24	0,24	0,23
0,5	0,61	0,60	0,58	0,56	0,54	0,52	0,50	0,49	0,48	0,47	0,46
0,75	0,92	0,90	0,87	0,84	0,81	0,78	0,75	0,74	0,73	0,71	0,69
1	1,2	1,2	1,2	1,1	1,1	1,0	1,0	0,99	0,97	0,95	0,93
1,5	1,8	1,8	1,7	1,7	1,6	1,6	1,5	1,5	1,5	1,4	1,4
1,6	2,0	1,9	1,9	1,8	1,7	1,7	1,6	1,6	1,5	1,5	1,5
2	2,4	2,4	2,3	2,2	2,2	2,1	2,0	2,0	1,9	1,9	1,9
2,5	3,1	3,0	2,9	2,8	2,7	2,6	2,5	2,5	2,4	2,4	2,3
3	3,7	3,6	3,5	3,4	3,3	3,1	3,0	3,0	2,9	2,8	2,8
3,5	4,3	4,2	4,1	3,9	3,8	3,7	3,5	3,4	3,4	3,3	3,2
4	4,9	4,8	4,7	4,5	4,3	4,2	4,0	3,9	3,9	3,8	3,7
5	6,1	6,0	5,8	5,6	5,4	5,2	5,0	4,9	4,8	4,7	4,6
6	7,3	7,2	7,0	6,7	6,5	6,3	6,0	5,9	5,8	5,7	5,6
8	9,8	9,6	9,3	9,0	8,7	8,4	8,0	7,9	7,9	7,6	7,4
10	12	12	12	11	11	10	10	9,9	9,7	9,5	9,3
12	15	14	14	13	13	13	12	12	12	11	11
13	16	16	15	15	14	14	13	13	13	12	12
15	18	18	17	17	16	16	15	15	15	14	14
16	20	19	19	18	17	17	16	16	15	15	15
20	24	24	23	22	22	21	20	20	19	19	19
25	31	30	29	28	27	26	25	25	24	24	23
32	39	38	37	36	35	33	32	32	31	30	30
40	49	48	47	45	43	42	40	39	39	38	37
50	61	60	58	56	54	52	50	49	48	47	46
63	77	76	73	71	68	66	63	62	61	60	58

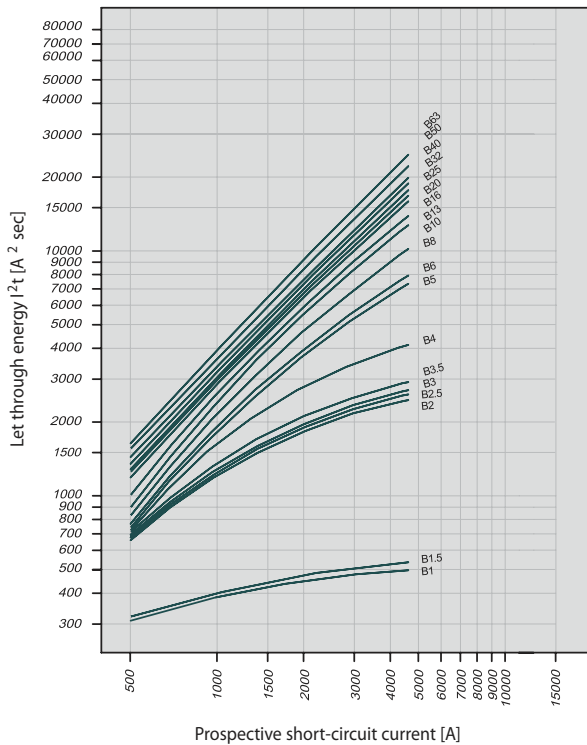
EFFECT OF POWER FREQUENCY

Effect of power frequency on the tripping behaviour I_{MA} of the quick release

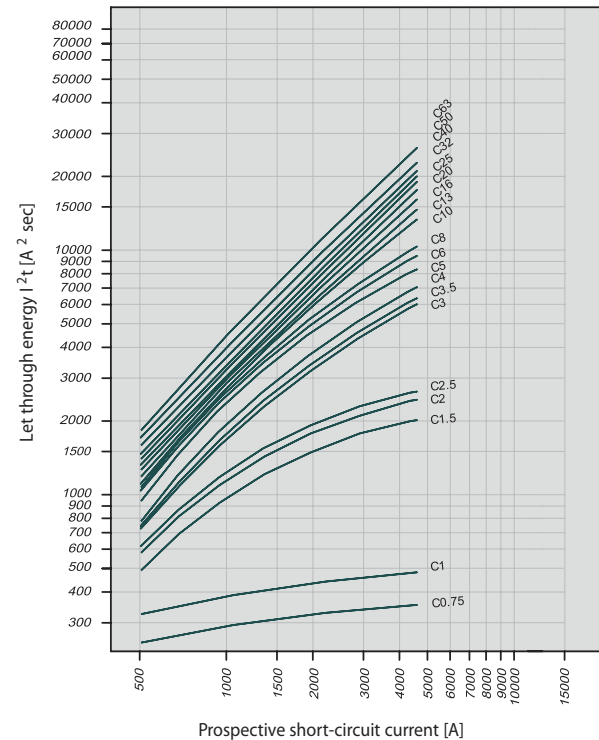
I _{MA} (f)/I _{MA} (50Hz) [%]	Power frequency f [Hz]						
	16 ² / ₃	50	60	100	200	300	400
	91	100	101	106	115	134	141

LET-THROUGH ENERGY BM4

Let-through energy BM4, characteristic B, 1-pole



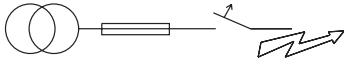
Let-through energy BM4, characteristic C, 1-pole



SHORT CIRCUIT SELECTIVITY BM4 TOWARDS DIAZED FUSES

In case of short circuit, there is selectivity between the miniature circuit breakers BM4 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



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

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

BM4	DIAZED DII-DIV gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
1.0	<0.5 ¹⁾	1.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.5	<0.5 ¹⁾	1.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.5	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.4	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.0	3.5	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
6		<0.5 ¹⁾	0.6	0.9	1.8	3.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
8		<0.5 ¹⁾	0.5	0.8	1.6	2.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
10			0.5	0.8	1.4	2.2	3.9	4.5 ²⁾	4.5 ²⁾
13			0.5	0.7	1.3	2.0	3.6	4.5 ²⁾	4.5 ²⁾
16				0.6	1.2	1.9	3.2	4.5 ²⁾	4.5 ²⁾
20					1.2	1.8	3.1	4.4	4.5 ²⁾
25					1.2	1.8	3.0	4.2	4.5 ²⁾
32						1.7	2.8	3.9	4.5 ²⁾
40							2.7	3.8	4.5 ²⁾
50							2.5	3.5	4.5 ²⁾
63									4.5 ²⁾

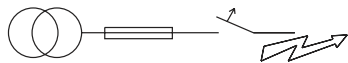
Short circuit selectivity **characteristic C** towards fuse link **DIAZED***)

BM4	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
0.75	1.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
1.0	<0.5 ¹⁾	1.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
1.5	<0.5 ¹⁾	<0.5 ¹⁾	1.0	2.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.4	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	0.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
4	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.8	1.8	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.7	1.5	2.7	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
6		<0.5 ¹⁾	0.5	0.6	1.4	2.4	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
8		<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.3	2.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	
10			<0.5 ¹⁾	0.6	1.3	2.0	3.6	4.5 ²⁾	4.5 ²⁾	
13					1.3	1.9	3.3	4.5 ²⁾	4.5 ²⁾	
16						1.2	1.8	3.2	4.4	4.5 ²⁾
20						1.2	1.8	3.1	4.1	4.5 ²⁾
25							1.7	2.8	3.8	4.5 ²⁾
32								2.7	3.7	4.5 ²⁾
40									3.5	4.5 ²⁾
50										4.5 ²⁾
63										

SHORT CIRCUIT SELECTIVITY BM4 TOWARDS NEOZED FUSES

In case of short circuit, there is selectivity between the miniature circuit breakers BM4 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



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

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

BM4 I_n [A]	NEOZED D01-D03 gL/gG								
	10	16	20	25	35	50	63	80	100
1.0	<0.5 ¹⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.5	<0.5 ¹⁾	4.1	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.5	1.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.9	2.5	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
5		<0.5 ¹⁾	0.5	0.8	1.7	4.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
6		<0.5 ¹⁾	0.5	0.8	1.6	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
8			0.5	0.8	1.4	2.8	4.3	4.5 ²⁾	4.5 ²⁾
10			0.5	0.7	1.3	2.4	3.4	4.5 ²⁾	4.5 ²⁾
13			<0.5 ¹⁾	0.7	1.2	2.3	3.2	4.5 ²⁾	4.5 ²⁾
16				0.6	1.1	2.2	2.9	4.5 ²⁾	4.5 ²⁾
20					1.1	2.1	2.8	4.4	4.5 ²⁾
25					1.1	2.0	2.7	4.2	4.5 ²⁾
32						2.0	2.6	4.0	4.5 ²⁾
40							2.5	3.8	4.5 ²⁾
50							2.3	3.4	4.5 ²⁾
63									4.5 ²⁾

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

BM4 I_n [A]	NEOZED D01-D03 gL/gG								
	10	16	20	25	35	50	63	80	100
0.75	<0.5 ¹⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.0	<0.5 ¹⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.5	<0.5 ¹⁾	0.5	0.6	0.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.6	4.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
5		<0.5 ¹⁾	<0.5 ¹⁾	0.5	1.3	3.1	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
6		<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.7	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
8		<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.5	4.0	4.5 ²⁾	4.5 ²⁾
10			<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.3	3.1	4.5 ²⁾	4.5 ²⁾
13					1.1	2.2	3.0	4.5 ²⁾	4.5 ²⁾
16					1.1	2.1	2.8	4.4	4.5 ²⁾
20					1.0	2.0	2.6	4.0	4.5 ²⁾
25						1.9	2.5	3.8	4.5 ²⁾
32							2.5	3.7	4.5 ²⁾
40								3.5	4.5 ²⁾
50									4.5 ²⁾
63									

SHORT CIRCUIT SELECTIVITY BM4 TOWARDS NH-00 FUSES

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

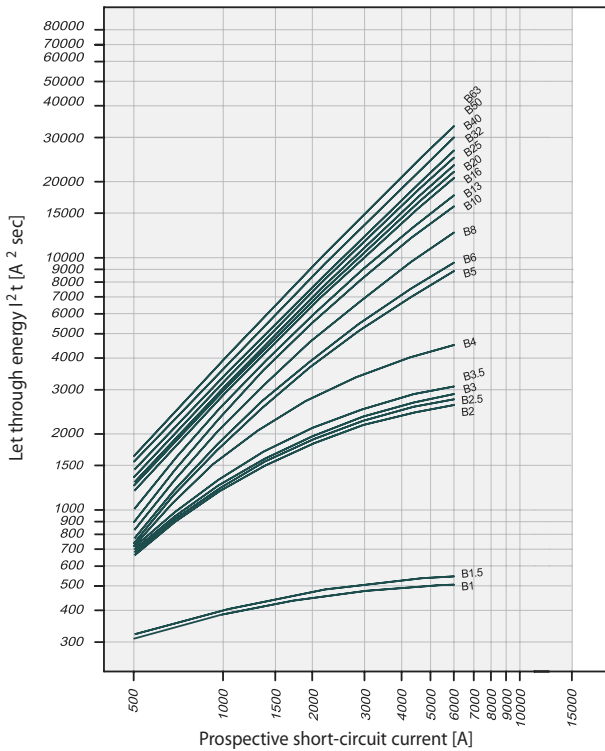
BM4 I_n [A]	NH-00 gL/gG											
	16	20	25	32	35	40	50	63	80	100	125	160
1.0	0.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.5	0.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.0	<0.5 ¹⁾	0.5	1.0	2.5	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.5	<0.5 ¹⁾	0.5	1.0	2.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.0	<0.5 ¹⁾	0.5	0.9	2.1	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.5	<0.5 ¹⁾	0.5	0.9	1.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.3	2.3	4.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.1	1.6	2.2	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
6	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.1	1.5	2.0	3.3	4.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
8	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	1.3	1.7	2.6	3.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
10		<0.5 ¹⁾	0.6	0.9	1.2	1.5	2.2	2.7	4.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
13		<0.5 ¹⁾	0.6	0.8	1.1	1.4	2.1	2.6	3.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
16			0.5	0.7	1.0	1.3	1.9	2.4	3.4	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
20				0.7	1.0	1.3	1.9	2.4	3.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
25				0.7	1.0	1.3	1.8	2.3	3.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
32					0.9	1.2	1.7	2.2	3.1	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
40							2.1	3.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
50							1.9	2.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
63								4.4	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾

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

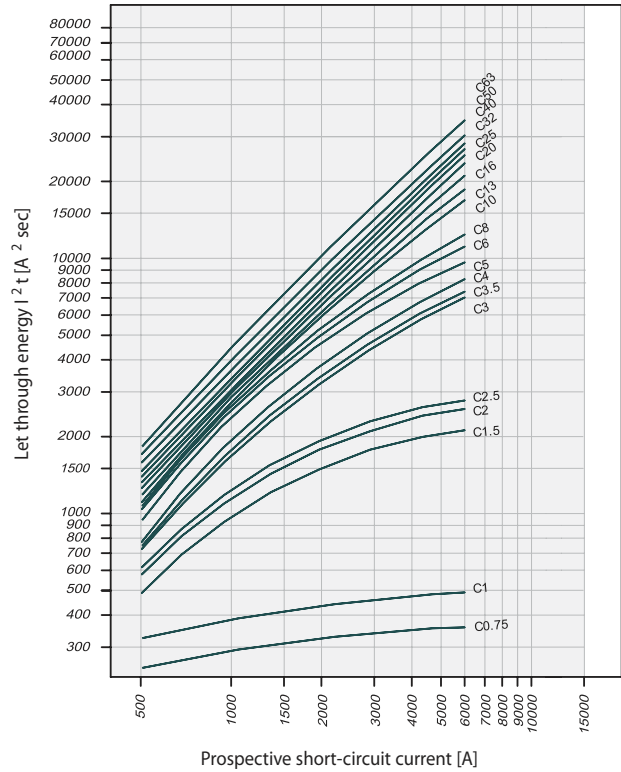
BM4 I_n [A]	NH-00 gL/gG											
	16	20	25	32	35	40	50	63	80	100	125	160
0.75	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.0	0.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
1.5	<0.5 ¹⁾	0.6	1.3	4.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.0	<0.5 ¹⁾	0.6	1.0	2.5	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
2.5	<0.5 ¹⁾	0.5	1.0	2.1	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.2	1.8	2.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.1	1.7	2.4	4.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.0	1.5	2.1	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.8	1.2	1.7	2.8	3.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
6	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.8	1.2	1.5	2.5	3.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
8	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.8	1.1	1.5	2.3	2.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
10			0.5	0.7	1.0	1.4	2.0	2.5	3.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
13				1.0	1.3	1.9	2.4	3.6	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
16				1.0	1.3	1.8	2.3	3.3	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
20				1.0	1.2	1.7	2.2	3.2	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
25					1.6	2.1	3.0	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
32						2.1	2.9	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
40							2.8	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
50								4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾
63									4.5 ²⁾	4.5 ²⁾	4.5 ²⁾	4.5 ²⁾

LET-THROUGH ENERGY BM6

Let-through energy BM6, characteristic B, 1-pole



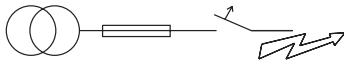
Let-through energy BM6, characteristic C, 1-pole



SHORT CIRCUIT SELECTIVITY BM6 TOWARDS DIAZED FUSES

In 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***

BM6	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
63									5.3

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

BM6	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

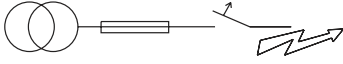
2) Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB

no selectivity

SHORT CIRCUIT SELECTIVITY BM6 TOWARDS NEOZED FUSES

In 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***)

BM6	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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	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 ²⁾
6		<0.5 ¹⁾	0.5	0.8	1.6	3.6	6.0 ²⁾	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⁾	6.0 ²⁾
10			0.5	0.7	1.3	2.4	3.4	6.0 ²⁾	6.0 ²⁾	6.0 ²⁾
13			<0.5 ¹⁾	0.7	1.2	2.3	3.2	5.3	6.0 ²⁾	6.0 ²⁾
16				0.6	1.1	2.2	2.9	4.6	6.0 ²⁾	6.0 ²⁾
20					1.1	2.1	2.8	4.4	6.0 ²⁾	6.0 ²⁾
25					1.1	2.0	2.7	4.2	6.0 ²⁾	6.0 ²⁾
32						2.0	2.6	4.0	6.0 ²⁾	6.0 ²⁾
40							2.5	3.8	6.0 ²⁾	6.0 ²⁾
50							2.3	3.4	6.0 ²⁾	6.0 ²⁾
63									6.0 ²⁾	6.0 ²⁾

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

BM6	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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	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 ²⁾
6		<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.7	4.5	6.0 ²⁾	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⁾	6.0 ²⁾
10			<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.3	3.1	5.4	6.0 ²⁾	6.0 ²⁾
13					1.1	2.2	3.0	4.9	6.0 ²⁾	6.0 ²⁾
16					1.1	2.1	2.8	4.4	6.0 ²⁾	6.0 ²⁾
20					1.0	2.0	2.6	4.0	6.0 ²⁾	6.0 ²⁾
25						1.9	2.5	3.8	6.0 ²⁾	6.0 ²⁾
32							2.5	3.7	6.0 ²⁾	6.0 ²⁾
40								3.5	6.0 ²⁾	6.0 ²⁾
50									6.0 ²⁾	6.0 ²⁾
63										6.0 ²⁾

1) Selectivity limit current I_s under 0.5 kA

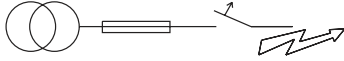
2) Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB

no selectivity

SHORT CIRCUIT SELECTIVITY BM6 TOWARDS NH-00 FUSES

In 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***

BM6	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⁾
63										4.4	6.0 ²⁾	6.0 ²⁾

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

BM6	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⁾
20							1.0	1.2	1.7	2.2	3.2	5.5
25								1.6	2.1	3.0	5.2	6.0 ²⁾
32									2.1	2.9	5.0	6.0 ²⁾
40										2.8	4.8	6.0 ²⁾
50											4.5	6.0 ²⁾
63												5.9

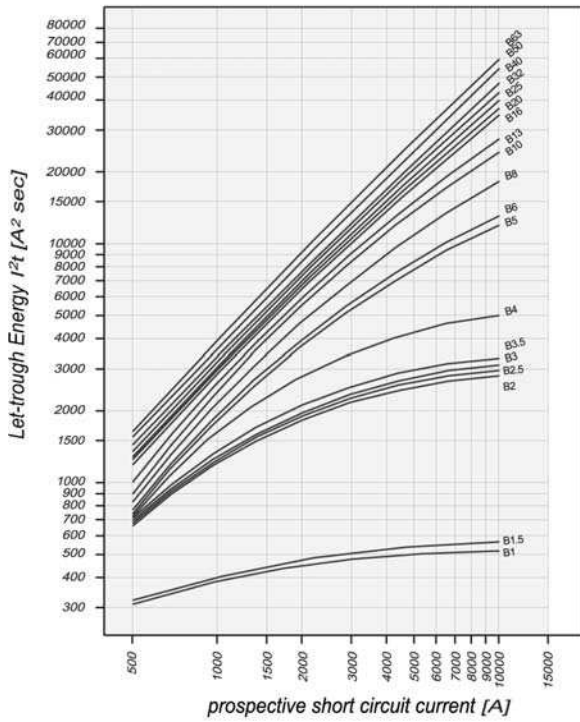
¹⁾ Selectivity limit current I_s under 0.5 kA

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

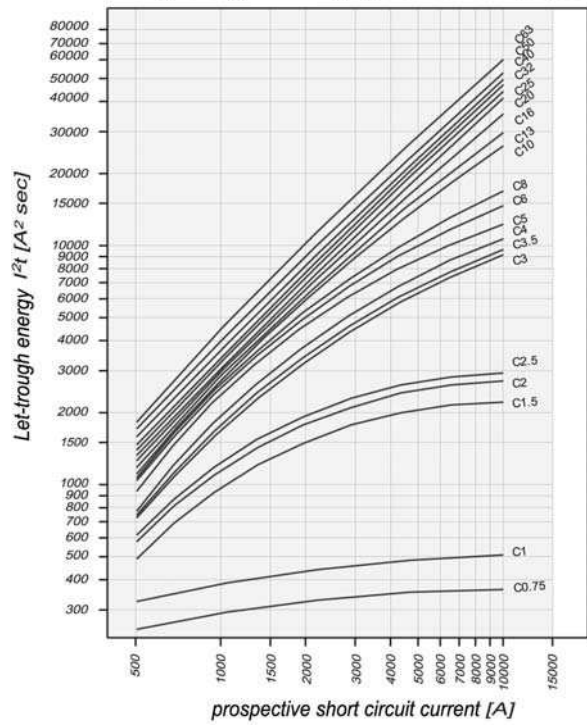
no selectivity

LET-THROUGH ENERGY BM10

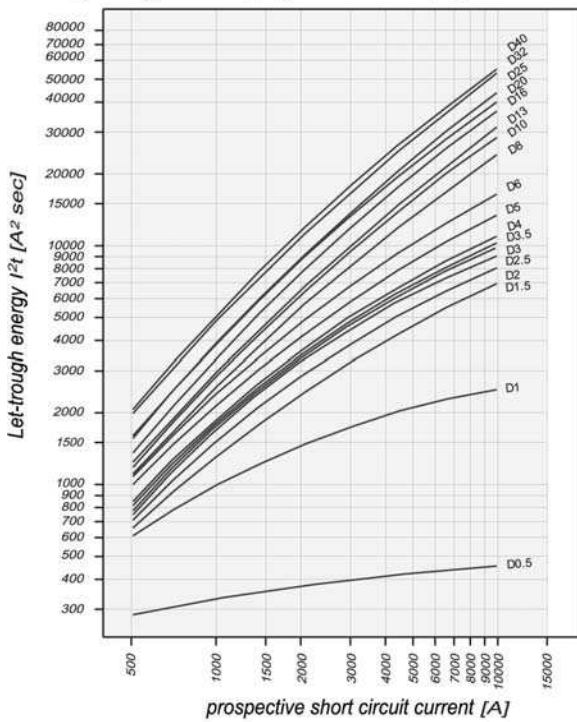
Let-trough Energy BM10 tripping characteristic B, 1- pole



Let-trough energy BM10 tripping characteristic C, 1-pole



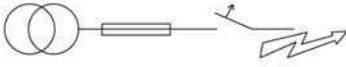
Let-trough energy BM10 tripping characteristic D, 1-pole



SHORT CIRCUIT SELECTIVITY BM10 TO DIAZED BACK-UP FUSE

In case of short circuit, there is selectivity between the miniature circuit breakers BM10kA and the upstream fuses up to 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).

*) according to EN 60898 D.5.2.b



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

BM10kA	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
1.0	<0.5 ¹⁾	1.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	1.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	3.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.0	3.5	8.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.6	0.9	1.8	3.2	7.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8		<0.5 ¹⁾	0.5	0.8	1.6	2.6	5.2	8.3	10.0 ²⁾	10.0 ²⁾
10			0.5	0.8	1.4	2.2	3.9	6.0	10.0 ²⁾	10.0 ²⁾
13			0.5	0.7	1.3	2.0	3.6	5.4	10.0 ²⁾	10.0 ²⁾
16				0.6	1.2	1.9	3.2	4.6	8.4	10.0 ²⁾
20					1.2	1.8	3.1	4.4	7.8	10.0 ²⁾
25					1.2	1.8	3.0	4.2	7.3	10.0 ²⁾
32						1.7	2.8	3.9	6.8	10.0 ²⁾
40							2.7	3.8	6.5	10.0 ²⁾
50							2.5	3.5	5.7	10.0 ²⁾
63									5.3	10.0 ²⁾

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

BM10kA	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
0.75	1.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.0	<0.5 ¹⁾	1.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	<0.5 ¹⁾	1.0	2.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.8	0.9	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.2	4.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.8	1.8	3.6	9.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.7	1.5	2.7	7.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.5	0.6	1.4	2.4	5.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8		<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.3	2.2	4.7	8.7	10.0 ²⁾	10.0 ²⁾
10			<0.5 ¹⁾	0.6	1.3	2.0	3.6	5.4	10.0 ²⁾	10.0 ²⁾
13					1.3	1.9	3.3	5.0	9.4	10.0 ²⁾
16					1.2	1.8	3.2	4.4	8.0	10.0 ²⁾
20					1.2	1.8	3.1	4.1	7.0	10.0 ²⁾
25						1.7	2.8	3.8	6.5	10.0 ²⁾
32							2.7	3.7	6.2	10.0 ²⁾
40								3.5	5.9	10.0 ²⁾
50									5.5	10.0 ²⁾
63										10.0 ²⁾

Short circuit selectivity **characteristic D** towards safety fuse DIAZED *)

BM10kA	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
0.5	0.5	3.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.0	<0.5 ¹⁾	<0.5 ¹⁾	1.0	2.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.2	3.5	7.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	2.8	5.8	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.4	2.3	4.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.3	4.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.1	4.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4		<0.5 ¹⁾	0.6	0.9	2.0	3.8	9.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5		<0.5 ¹⁾	0.5	0.7	1.7	3.1	7.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6			0.5	0.7	1.5	2.6	5.3	9.1	10.0 ²⁾	10.0 ²⁾
8			<0.5 ¹⁾	0.7	1.4	2.2	3.9	6.0	10.0 ²⁾	10.0 ²⁾
10				0.7	1.2	1.9	3.4	5.0	9.5	10.0 ²⁾
13					1.2	1.8	3.2	4.6	8.6	10.0 ²⁾
16						1.6	2.7	4.0	7.4	10.0 ²⁾
20						1.5	2.5	3.5	6.7	10.0 ²⁾
25							2.4	3.4	6.2	10.0 ²⁾
32								2.8	5.0	10.0 ²⁾
40									4.8	10.0 ²⁾

1) Selectivity limit current I_s is under 0.5 kA.

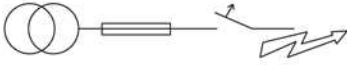
2) Selectivity limit current $I_s =$ rated breaking capacity I_{cn} of the MCB

no selectivity

SHORT CIRCUIT SELECTIVITY BM10 TO NEOZED MELT BACK-UP FUSE

In case of short circuit, there is selectivity between the miniature circuit breakers BM10kA and the upstream fuses up to 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).

*) according to EN 60898 D.5.2.b



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

BM10kA	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
1.0	<0.5 ¹⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	4.1	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.5	1.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.9	7.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.9	2.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5		<0.5 ¹⁾	0.5	0.8	1.7	4.0	7.0	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.5	0.8	1.6	3.6	6.0	10.0 ²⁾	10.0 ²⁾
8			0.5	0.8	1.4	2.8	4.3	8.2	10.0 ²⁾
10			0.5	0.7	1.3	2.4	3.4	6.0	10.0 ²⁾
13			<0.5 ¹⁾	0.7	1.2	2.3	3.2	5.3	10.0 ²⁾
16				0.6	1.1	2.2	2.9	4.6	10.0
20					1.1	2.1	2.8	4.4	9.3
25					1.1	2.0	2.7	4.2	8.7
32						2.0	2.6	4.0	8.0
40							2.5	3.8	7.5
50							2.3	3.4	6.7
63									6.2

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

BM10kA	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
0.75	<0.5 ¹⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.0	<0.5 ¹⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	0.5	0.6	0.9	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.9	5.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.8	4.7	9.5	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.6	4.0	7.6	10.0 ²⁾	10.0 ²⁾
5		<0.5 ¹⁾	<0.5 ¹⁾	0.5	1.3	3.1	5.7	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.7	4.5	10.0 ²⁾	10.0 ²⁾
8		<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.5	4.0	8.6	10.0 ²⁾
10			<0.5 ¹⁾	<0.5 ¹⁾	1.2	2.3	3.1	5.4	10.0 ²⁾
13					1.1	2.2	3.0	4.9	10.0 ²⁾
16					1.1	2.1	2.8	4.4	9.5
20					1.0	2.0	2.6	4.0	8.3
25						1.9	2.5	3.8	7.8
32							2.5	3.7	7.3
40								3.5	7.0
50									6.5
63									

Short circuit selectivity **characteristic D** towards safety fuse **NEOZED** *)

BM10kA	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
0.5	<0.5 ¹⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.0	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
1.5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.8	9.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.0	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.8	2.2	6.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
2.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	1.9	5.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
3.0	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	1.8	4.8	9.3	10.0 ²⁾	10.0 ²⁾
3.5	<0.5 ¹⁾	<0.5 ¹⁾	0.5	0.7	1.7	4.7	8.6	10.0 ²⁾	10.0 ²⁾
4		<0.5 ¹⁾	0.5	0.7	1.7	4.6	7.7	10.0 ²⁾	10.0 ²⁾
5		<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.5	3.5	5.8	10.0 ²⁾	10.0 ²⁾
6			<0.5 ¹⁾	0.5	1.3	2.9	4.5	9.0	10.0 ²⁾
8			<0.5 ¹⁾	0.5	1.2	2.4	3.5	6.0	10.0 ²⁾
10				0.5	1.1	2.2	3.0	5.0	10.0 ²⁾
13					1.1	2.1	2.9	4.6	10.0 ²⁾
16						1.9	2.6	3.9	9.0
20						1.7	2.3	3.5	8.0
25							2.2	3.4	7.5
32								2.9	6.0
40									5.7

1) Selectivity limit current I_s is under 0.5 KA

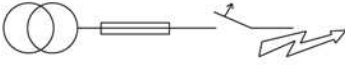
2) Selectivity limit current $I_s =$ rated breaking capacity I_{cn} of the MCB

no selectivity

SHORT CIRCUIT SELECTIVITY BM10 TO NF-00 MELT SAFETY FUSES

In case of short circuit, there is selectivity between the miniature circuit breakers BM10kA and the upstream fuses up to 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).

*) according to EN 60898 D.5.2.b



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

BM10kA	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
1.0	0.9	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
1.5	0.8	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.0	<0.5 ⁽¹⁾	0.5	1.0	2.5	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.5	<0.5 ⁽¹⁾	0.5	1.0	2.3	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.0	<0.5 ⁽¹⁾	0.5	0.9	2.1	8.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.5	<0.5 ⁽¹⁾	0.5	0.9	1.8	5.5	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
4	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.8	1.3	2.3	4.3	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.1	1.6	2.2	3.6	4.8	8.9	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
6	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.1	1.5	2.0	3.3	4.3	7.6	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
8	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.6	1.0	1.3	1.7	2.6	3.3	5.2	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
10		<0.5 ⁽¹⁾	0.6	0.9	1.2	1.5	2.2	2.7	4.0	9.0	10.0 ⁽²⁾	10.0 ⁽²⁾
13		<0.5 ⁽¹⁾	0.6	0.8	1.1	1.4	2.1	2.6	3.8	7.9	10.0 ⁽²⁾	10.0 ⁽²⁾
16			0.5	0.7	1.0	1.3	1.9	2.4	3.4	6.4	9.3	10.0 ⁽²⁾
20				0.7	1.0	1.3	1.9	2.4	3.3	6.0	8.7	10.0 ⁽²⁾
25				0.7	1.0	1.3	1.8	2.3	3.2	5.7	8.0	10.0 ⁽²⁾
32					0.9	1.2	1.7	2.2	3.1	5.4	7.6	10.0 ⁽²⁾
40								2.1	3.0	5.1	7.2	10.0 ⁽²⁾
50								1.9	2.8	4.7	6.6	9.5
63									4.4	6.3	8.6	

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

BM10kA	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
0.75	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
1.0	0.9	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
1.5	<0.5 ⁽¹⁾	0.6	1.3	4.2	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.0	<0.5 ⁽¹⁾	0.6	1.0	2.5	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.5	<0.5 ⁽¹⁾	0.5	1.0	2.1	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.0	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.2	1.8	2.6	4.7	6.6	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.1	1.7	2.4	4.2	6.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
4	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.0	1.5	2.1	3.6	5.0	10.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.6	0.8	1.2	1.7	2.8	3.8	8.7	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
6	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.5	0.8	1.2	1.5	2.5	3.3	5.7	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
8	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.5	0.8	1.1	1.5	2.3	2.9	4.9	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
10			0.5	0.7	1.0	1.4	2.0	2.5	3.8	8.0	10.0 ⁽²⁾	10.0 ⁽²⁾
13					1.0	1.3	1.9	2.4	3.6	7.0	10.0 ⁽²⁾	10.0 ⁽²⁾
16					1.0	1.3	1.8	2.3	3.3	6.0	8.8	10.0 ⁽²⁾
20					1.0	1.2	1.7	2.2	3.2	5.5	7.7	10.0 ⁽²⁾
25						1.6	2.1	3.0	5.2	7.3	10.0 ⁽²⁾	10.0 ⁽²⁾
32							2.1	2.9	5.0	7.0	10.0 ⁽²⁾	10.0 ⁽²⁾
40								2.8	4.8	6.7	10.0	10.0
50									4.5	6.3	9.5	9.5
63										5.9	8.4	8.4

Short circuit selectivity **characteristic D** towards safety fuse **NH-00 ***)

BM10kA	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
0.5	2.1	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
1.0	<0.5 ⁽¹⁾	0.6	1.4	4.3	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
1.5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.9	1.6	2.7	4.0	8.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.0	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.8	1.3	2.1	3.1	6.0	8.6	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
2.5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.2	1.8	2.6	4.8	6.9	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.0	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.1	1.7	2.4	4.3	6.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
3.5	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.1	1.7	2.4	4.2	5.6	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
4	<0.5 ⁽¹⁾	<0.5 ⁽¹⁾	0.7	1.0	1.6	2.2	3.8	5.2	10.0	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
5		<0.5 ⁽¹⁾	0.6	0.9	1.4	1.9	3.2	4.1	7.1	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
6		<0.5 ⁽¹⁾	0.5	0.8	1.2	1.6	2.6	3.3	5.5	10.0 ⁽²⁾	10.0 ⁽²⁾	10.0 ⁽²⁾
8			0.5	0.8	1.1	1.5	2.2	2.7	4.1	8.7	10.0 ⁽²⁾	10.0 ⁽²⁾
10			0.5	0.7	1.0	1.3	1.9	2.5	3.6	7.2	10.0 ⁽²⁾	10.0 ⁽²⁾
13				1.0	1.3	1.9	2.3	3.4	6.5	9.5	10.0 ⁽²⁾	10.0 ⁽²⁾
16					1.1	1.6	2.0	3.0	5.5	8.0	10.0 ⁽²⁾	10.0 ⁽²⁾
20						1.4	1.8	2.8	5.0	7.5	10.0 ⁽²⁾	10.0 ⁽²⁾
25							1.8	2.7	4.8	7.0	10.0 ⁽²⁾	10.0 ⁽²⁾
32								2.4	4.1	6.2	9.3	9.3
40									4.0	6.0	9.0	9.0

1) Selectivity limit current I_s is under 0.5 kA.

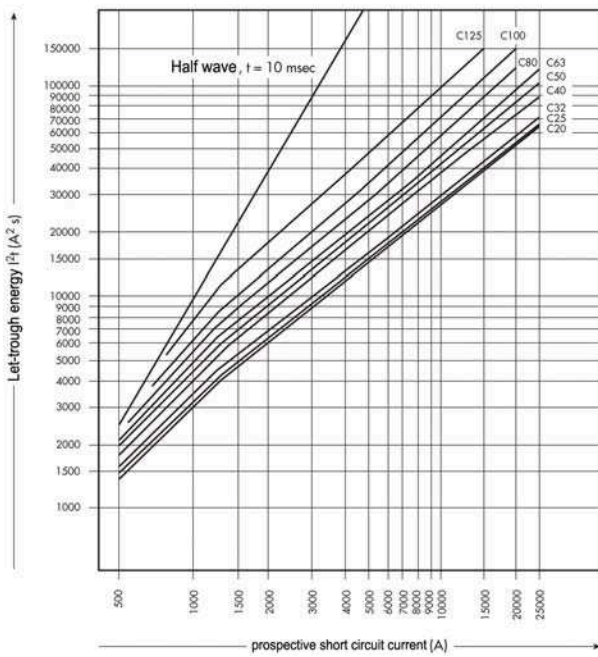
2) Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB.

no selectivity

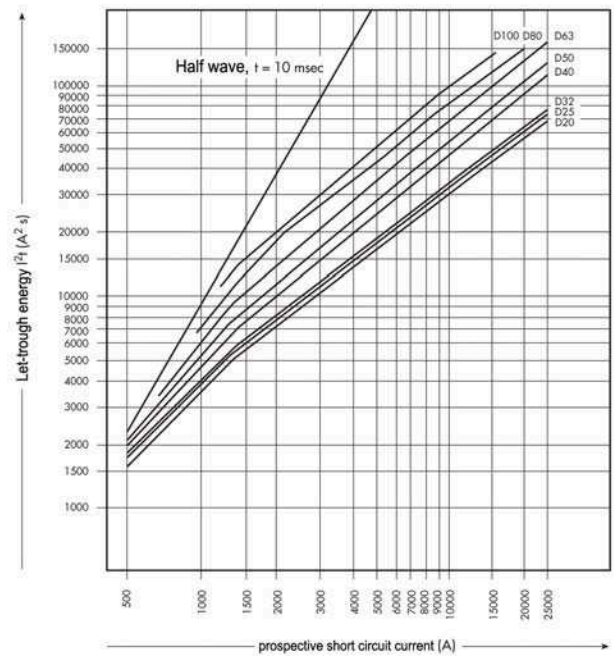
LET-THROUGH ENERGY BR

• Measured according to EN 60898

Maximum let-through energy transfer series BR, characteristic C, 1-pole



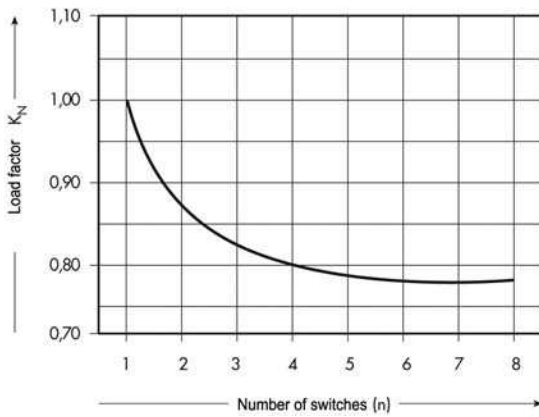
Maximum let-through energy transfer series BR, characteristic D, 1-pole



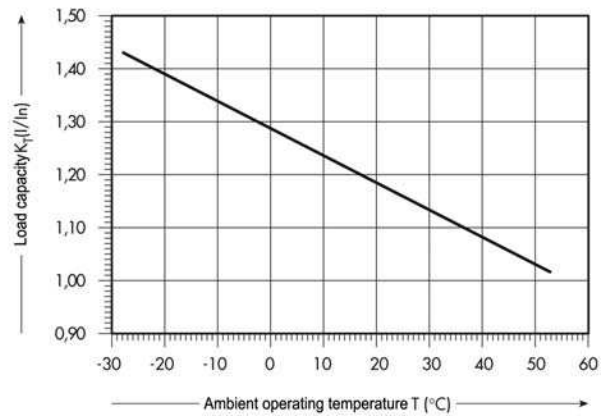
LOAD CAPACITY

- Valid for single pole switches series BR
- Reliable load capacity for ambient operating temperature T (°C) and n switches $I_{Dn} = I_n \cdot K(T) \cdot K(N)$

Load capacity for block mounting



Influence of the ambient operating temperature



SHORT CIRCUIT SELECTIVITY OF SAFETY FUSES D01, D02, D03

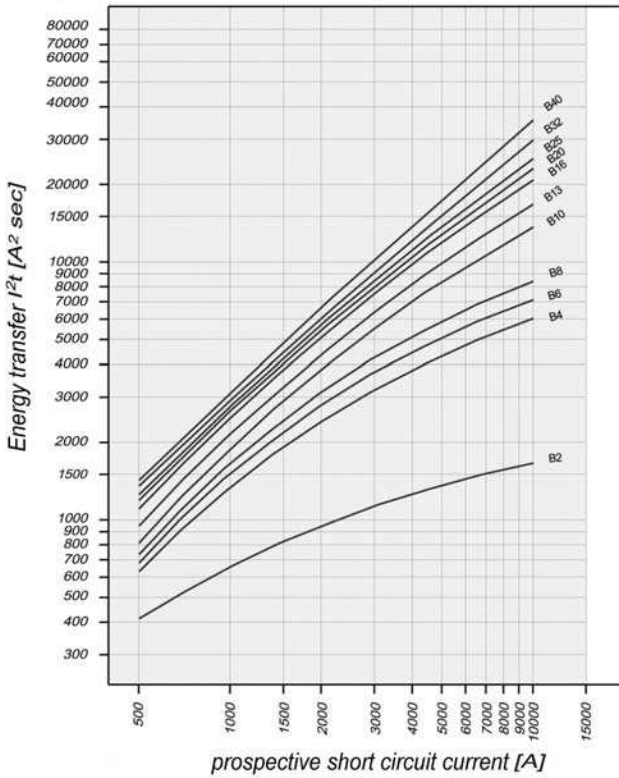
Rated current I_n in A*)		Rated current of the safety fuse in A gL					
		25	35	50	63	80	100
C- Charakteristic	20	0,5	1,0	2,0	2,9	3,9	7,6
	25		1,0	1,9	2,8	3,8	7,3
	32		1,0	1,8	2,7	3,6	7,0
	40			1,6	2,2	3,0	5,6
	50				2,1	2,8	5,2
	63					2,7	4,8
	80						4,3
	100						
	125						
D- Charakteristic	20	0,5	0,9	1,7	2,5	3,4	6,7
	25		0,9	1,6	2,3	3,2	6,2
	32		0,9	1,5	2,3	3,0	6,0
	40			1,4	2,0	2,6	4,7
	50				1,8	2,3	4,3
	63					2,1	3,7
	80						3,1
	100						
	125						

SHORT CIRCUIT SELECTIVITY OF SAFETY FUSES NH SIZE 00

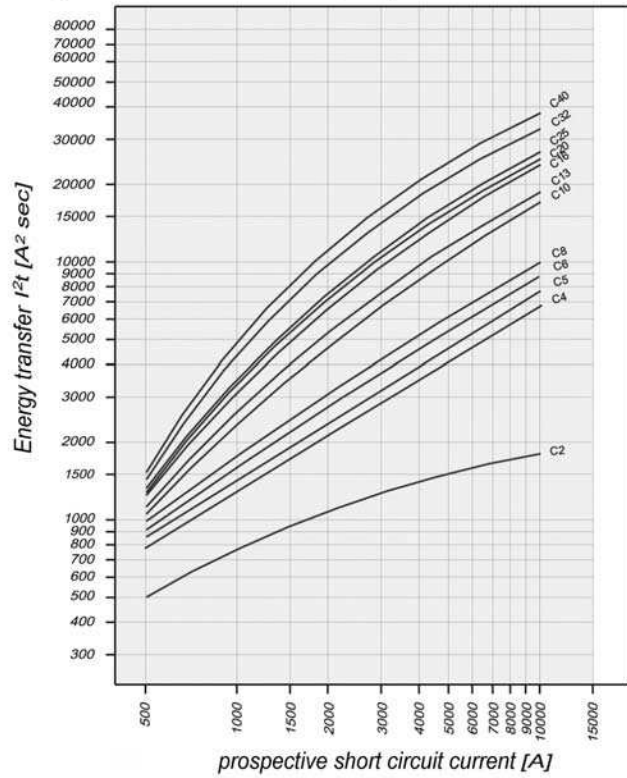
Rated current I_n in A*)		Rated current of the safety fuse in A gL									
		25	35	40	50	63	80	100	125	160	200
C- Charakteristic	20	0,5	1,0	1,3	1,9	2,7	3,7	6,7	17,0		
	25		0,9	1,3	1,8	2,6	3,5	6,5	17,0	25,0	
	32		0,9	1,2	1,7	2,4	3,3	6,0	15,0	23,0	
	40				1,4	2,1	2,9	4,8	12,0	18,0	
	50					1,9	2,7	4,5	11,0	17,0	
	63							4,2	10,0	15,0	
	80							3,8	8,5	12,0	
	100								7,0	10,0	
	125									7,5	
D- Charakteristic	20	<0,5	0,8	1,1	1,5	2,3	3,1	5,6	16,0	25,0	
	25		0,7	1,0	1,4	2,1	3,0	5,3	14,0	23,0	
	32		0,7	1,0	1,3	2,1	2,9	5,0	13,0	22,0	
	40				1,1	1,8	2,5	4,2	10,0	15,0	25,0
	50					1,6	2,3	3,8	8,5	13,0	22,0
	63						2,1	3,2	7,0	10,5	18,0
	80							2,8	5,5	8,4	15,0
	100								4,8	7,5	12,5
	125										

ENERGY TRANSFER BOLF-../1N

Energy transfer BOLF characteristic B, 1+N pole



Energy transfer BOLF characteristic C, 1+N pole



SHORT CIRCUIT SELECTIVITY BOLF-../1N TO DIAZED

In case of short circuit, between the protective devices BOLF-../1N/ and the precoupled melt back-up fuses, there is a selectivity up to the indicated values of the selectivity limit current I_s [kA] (e.g. in case of short circuit currents I_{ks} 1 ks lower than I_s only RCB/MCB is released, in case of short circuit currents above this, both protective devices set in).

*) according to EN 60898 D.5.2.b

Short circuit selectivity characteristic B of melting safety fuse DIAZED *)

BOLF	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
2	<0.5 ¹⁾	<0.5 ¹⁾	2.2	8.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.2	3.7	10.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.7	1.0	2.9	6.9	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8		<0.5 ¹⁾	0.6	1.0	2.4	5.1	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
10			0.6	0.9	1.9	3.3	7.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
13			0.5	0.7	1.6	2.8	5.7	9.0	10.0 ²⁾	10.0 ²⁾
16				0.7	1.4	2.4	4.4	7.0	10.0 ²⁾	10.0 ²⁾
20					1.3	2.2	4.0	6.3	10.0 ²⁾	10.0 ²⁾
25					1.3	2.1	3.8	5.8	10.0 ²⁾	10.0 ²⁾
32						2.0	3.5	5.2	9.5	10.0 ²⁾
40							3.1	4.5	8.1	10.0 ²⁾

Short circuit selectivity characteristic C of melting safety fuse DIAZED *)

BOLF	DIAZED DII-DIV gL/gG									
I_n [A]	10	16	20	25	35	50	63	80	100	
2	<0.5 ¹⁾	<0.5 ¹⁾	1.7	6.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.3	4.2	8.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.1	3.6	7.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.6	1.0	2.9	5.8	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8		<0.5 ¹⁾	<0.5	0.9	2.5	4.8	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
10			<0.5	0.7	1.5	2.6	5.3	9.0	10.0 ²⁾	10.0 ²⁾
13					1.4	2.3	4.6	7.6	10.0 ²⁾	10.0 ²⁾
16					1.2	1.8	3.4	5.5	10.0 ²⁾	10.0 ²⁾
20					1.2	1.7	3.1	5.0	10.0 ²⁾	10.0 ²⁾
25						1.6	2.9	4.6	10.0 ²⁾	10.0 ²⁾
32							2.3	3.4	7.7	10.0 ²⁾
40								2.9	6.2	10.0 ²⁾

1) Selectivity limit current I_s is under 0.5 kA.

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

Darker areas: no selectivity

SHORT CIRCUIT SELECTIVITY BOLF-../1N TO NEOZED

In case of short circuit, between the protective devices BOLF../1N/ and the precoupled melt back-up fuses, there is a selectivity up to the indicated values of the selectivity limit current I_s [kA] (e.g. in case of short circuit currents I_{ks} lower than I_s only RCB/MCB is released, in case of short circuit currents above this, both protective devices set in).

*) according to EN 60898 D.5.2.b

Short circuit selectivity **characteristic B** of melting safety fuse **NEOZED** *)

BOLF	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5 ¹⁾	0.7	1.6	3.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.6	0.9	2.9	10.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	0.5	0.8	2.4	8.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8			0.6	0.8	2.0	6.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
10			0.5	0.8	1.6	3.7	6.0	10.0 ²⁾	10.0 ²⁾
13			0.6	0.7	1.4	3.0	4.7	9.0	10.0 ²⁾
16				0.6	1.2	2.6	3.9	7.0	10.0 ²⁾
20					1.2	2.5	3.6	6.2	10.0 ²⁾
25					1.2	2.3	3.3	5.7	10.0 ²⁾
32						2.3	3.1	5.1	10.0 ²⁾
40							2.8	4.5	9.5

Short circuit selectivity **characteristic C** of melting safety fuse **NEOZED** *)

BOLF	NEOZED D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5 ¹⁾	0.5	0.5	2.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.9	3.4	9.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	<0.5 ¹⁾	0.9	2.9	8.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6		<0.5 ¹⁾	<0.5 ¹⁾	0.8	2.3	6.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8			<0.5	0.7	2.1	5.5	9.5	10.0 ²⁾	10.0 ²⁾
10			<0.5	0.6	1.3	2.9	4.5	8.9	10.0 ²⁾
13					1.2	2.5	3.9	7.6	10.0 ²⁾
16					1.0	2.1	3.0	5.5	10.0 ²⁾
20					1.0	2.0	2.7	5.0	10.0 ²⁾
25						1.9	2.6	4.5	10.0 ²⁾
32							2.1	3.4	10.0 ²⁾
40								3.0	8.7

SHORT CIRCUIT SELECTIVITY BOLF-../1N TO NH-00

In case of short circuit, between the protective devices BOLF../1N/ and the precoupled melt back-up fuses, there is a selectivity up to the indicated values of the selectivity limit current I_s [kA] (e.g. in case of short circuit currents I_{ks} lower than I_s only RCB/MCB is released, in case of short circuit currents above this, both protective devices set in).

*) according to EN 60898 D.5.2.b

Short circuit selectivity **characteristic B** of melting safety fuse **NH-00** *)

BOLF	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
2	<0.5 ¹⁾	1.1	3.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	0.5	0.9	1.6	2.8	4.4	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6	<0.5 ¹⁾	0.5	0.8	1.4	2.2	3.3	7.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.0	1.9	2.8	5.3	7.8	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
10		<0.5 ¹⁾	0.7	0.9	1.5	2.1	3.4	4.3	7.3	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
13		<0.5 ¹⁾	0.6	0.8	1.4	1.8	2.8	3.6	5.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
16			0.6	0.7	1.2	1.5	2.4	3.0	4.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
20				0.7	1.1	1.5	2.2	2.8	4.2	9.2	10.0 ²⁾	10.0 ²⁾
25				0.7	1.1	1.4	2.1	2.6	4.0	8.2	10.0 ²⁾	10.0 ²⁾
32					1.0	1.4	2.0	2.5	3.7	7.1	10.0 ²⁾	10.0 ²⁾
40							2.3	3.4	6.2	8.8	10.0 ²⁾	

Short circuit selectivity **characteristic C** of melting safety fuse **NH-00** *)

BOLF	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
2	<0.5 ¹⁾	0.6	2.6	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
4	<0.5 ¹⁾	<0.5 ¹⁾	0.9	1.8	3.2	4.8	8.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
5	<0.5 ¹⁾	<0.5 ¹⁾	0.8	1.6	2.7	4.1	7.2	9.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
6	<0.5 ¹⁾	<0.5 ¹⁾	0.7	1.3	2.2	3.3	5.9	8.0	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
8	<0.5 ¹⁾	<0.5 ¹⁾	0.6	1.1	1.9	2.8	5.0	6.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
10			0.5	0.8	1.2	1.7	2.7	3.4	5.5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
13				1.1	1.5	2.3	2.9	4.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
16				1.0	1.3	1.8	2.3	3.7	8.7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
20					0.9	1.1	1.7	2.2	3.4	8.0	10.0 ²⁾	10.0 ²⁾
25						1.6	2.1	3.2	7.2	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
32							1.7	2.6	5.3	9.0	10.0 ²⁾	10.0 ²⁾
40								2.4	4.5	7.5	10.0	

1) Selectivity limit current I_s is under 0.5 kA.

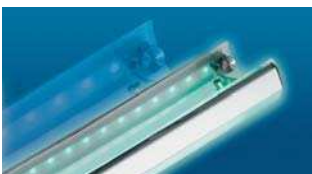
2) Selectivity limit current I_s = rated breaking capacity I_{cn} of the MCB.

Darker areas: no selectivity

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