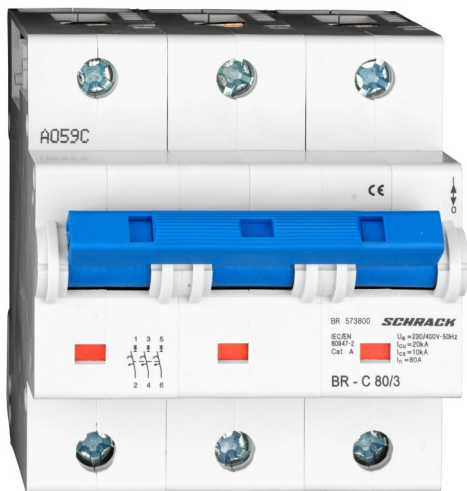


■ Datasheet: High Current MCB series BR



■ SCHRACK-INFO

- In commercial and industrial facilities with high continuous currents
- Rated currents up to 125 A
- Rated breaking capacity up to 25 kA according to EN 60947-2
- Stable snap-on mounting for DIN rail EN 50022
- Positively guided position indicator
- Sealable toggle

■ Technical datas

Construction:	in according to IEC/EN 60 947-2	
Tripping characteristics:	C, D in according to EN 60898	
Rated voltage:	230/400 V AC	
Frequency:	50/60 Hz	
Back up fuse	200 A gL (>20 kA)	
Selectivity class:	in according to Class 3	
Rated breaking capacity:	in according to IEC/EN 60947-2	
Characteristic C:	I _n = 20-63 A	25 kA
	I _n = 80 A	20 kA
	I _n = 100-125 A	15 kA
Characteristic D:	I _n = 63 A	25 kA
	I _n = 80 A	20 kA
	I _n = 100 A	15 kA

Rated breaking capacity DC:	max 60 V one pole
Contact distance	≥ 4mm (Isolator)
Rated voltage of isolation:	440 V
Rated surge voltage U_{imp} :	4 kV
Rated ripping temperature:	-5 °C up to +40 °C
Operating temperature:	-30 °C up to +55 °C
Storage temperature:	-40 °C up to +75 °C
Calibrated for ambient temperature:	+30°C
Switching contact:	Double break switching contact
Endurance:	≥ 8.000 operating cycles (mechanical ≥ 20.000)
Indicator:	Window with contact position, red/green for each pole
Distance or contacts:	4 mm
Spaceunit:	27 mm (1,5 TE) per pole
Mounting:	DIN rail mounting (EN 50 022)
Degree of protection:	IP20 (with terminal cover) IP40 covered
Operating position:	in any position
Terminal:	top and bottom lift-terminal
Terminal protection:	BGV A3
Terminals:	Lift terminal
Terminal capacity:	2,5 – 50 mm ²
Terminal tightening torque:	2,5 - 3Nm

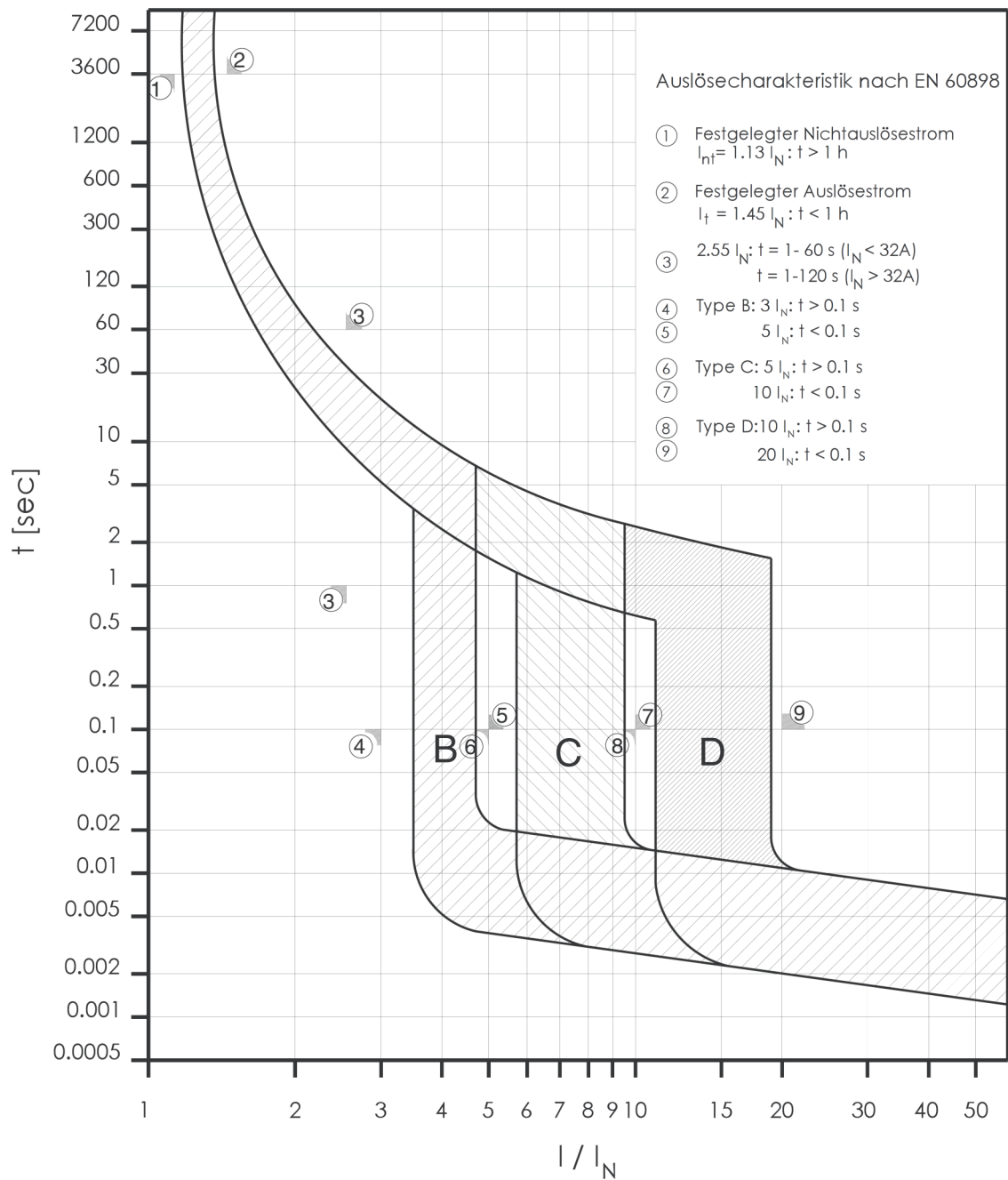
 Power loss

Order no.	Description	Power loss
BR571200--	High Current Miniature Circuit Breaker C20/1	2,71 W
BR571250--	High Current Miniature Circuit Breaker C25/1	2,78 W
BR571320--	High Current Miniature Circuit Breaker C32/1	3,79 W
BR571400--	High Current Miniature Circuit Breaker C40/1	4,42 W
BR571500--	High Current Miniature Circuit Breaker C50/1	5,14 W
BR571630--	High Current Miniature Circuit Breaker C63/1	5,2 W
BR571800--	High Current Miniature Circuit Breaker C80/1	7,14 W
BR571910--	High Current Miniature Circuit Breaker C100/1	9,13 W
BR571912--	High Current Miniature Circuit Breaker C125/1	11,89 W
BR591800--	High Current Miniature Circuit Breaker D80/1	7,1 W
BR572200--	High Current Miniature Circuit Breaker C20/2	5,42 W
BR572910--	High Current Miniature Circuit Breaker C100/2	18,3 W
BR572912--	High Current Miniature Circuit Breaker C125/2	23,8 W
BR573200--	High Current Miniature Circuit Breaker C20/3	16,3 W
BR573250--	High Current Miniature Circuit Breaker C25/3	8,34 W

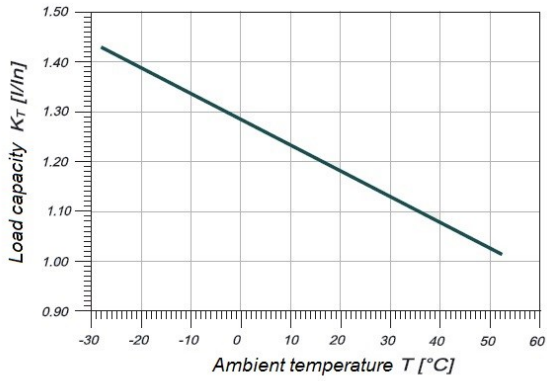
Order no.	Description	Power loss
BR573320--	High Current Miniature Circuit Breaker C32/3	11,4 W
BR573400--	High Current Miniature Circuit Breaker C40/3	13,3 W
BR573500--	High Current Miniature Circuit Breaker C50/3	15,4 W
BR573630--	High Current Miniature Circuit Breaker C63/3	15,6 W
BR573800--	High Current Miniature Circuit Breaker C80/3	21,4 W
BR573910--	High Current Miniature Circuit Breaker C100/3	27,4 W
BR573912--	High Current Miniature Circuit Breaker C125/3	35,67 W
BR593500--	High Current Miniature Circuit Breaker D50/3	15,3 W
BR593630--	High Current Miniature Circuit Breaker D63/3	15,6 W
BR593800--	High Current Miniature Circuit Breaker D80/3	21,4 W
BR593910--	High Current Miniature Circuit Breaker D100/3	27,4 W
BR578320--	High Current Miniature Circuit Breaker C32/3N	11,75 W
BR578500--	High Current Miniature Circuit Breaker C50/3N	15,93 W
BR578630--	High Current Miniature Circuit Breaker C63/3N	16,12 W
BR578800--	High Current Miniature Circuit Breaker C80/3N	22,13 W
BR578910--	High Current Miniature Circuit Breaker C100/3N	28,3 W
BR578912--	High Current Miniature Circuit Breaker C125/3N	36,86 W
BR598500--	High Current Miniature Circuit Breaker D50/3+N	20,4 W
BR598630--	High Current Miniature Circuit Breaker D63/3+N	16,12 W
BR598800--	High Current Miniature Circuit Breaker D80/3+N	22,11 W
BR598910--	High Current Miniature Circuit Breaker D100/3+N	28,29 W
BR574200--	High Current Miniature Circuit Breaker C20/4	18,4 W
BR574250--	High Current Miniature Circuit Breaker C25/4	8,62 W
BR574320--	High Current Miniature Circuit Breaker C32/4	11,75 W
BR574400--	High Current Miniature Circuit Breaker C40/4	13,7 W
BR574500--	High Current Miniature Circuit Breaker C50/4	15,93 W
BR574630--	High Current Miniature Circuit Breaker C63/4	20,8 W
BR574800--	High Current Miniature Circuit Breaker C80/4	28,6 W
BR574910--	High Current Miniature Circuit Breaker C100/4	36,5 W
BR574912--	High Current Miniature Circuit Breaker C125/4	36,86 W
BR561200--	High Current MCB C20/1 V-SI	2,71 W
BR561250--	High Current MCB C25/1 V-SI	2,78 W
BR561320--	High Current MCB C32/1 V-SI	3,79 W
BR561400--	High Current MCB C40/1 V-SI	4,42 W
BR561500--	High Current MCB C50/1 V-SI	5,14 W
BR561630--	High Current MCB C63/1 V-SI	5,2 W
BR561800--	High Current MCB C80/1 V-SI	7,14 W
BR561910--	High Current MCB C100/1 V-SI	9,13 W
BR900003--	Shunt Release 230V, BR-FA230	90 W
BR900004--	Shunt Release 24V, BR-FA24	90 W

Tripping characteristic curve

TYPES B, C AND D



▀ Influence of ambient temperature:

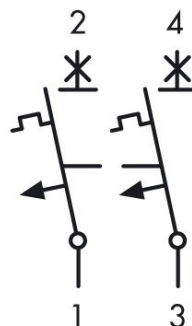


▀ Wiring diagram:

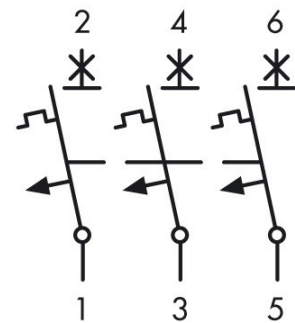
1-pole



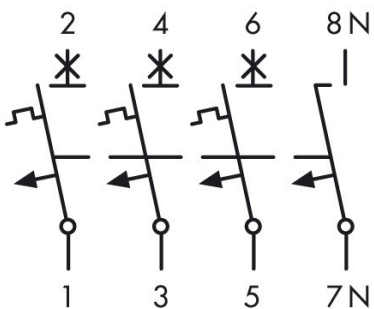
2-pole



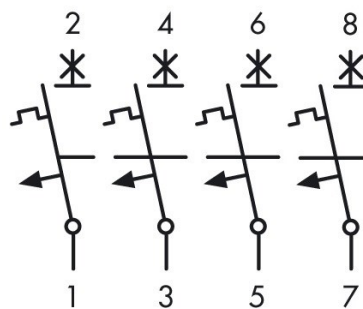
3-pole



3+N

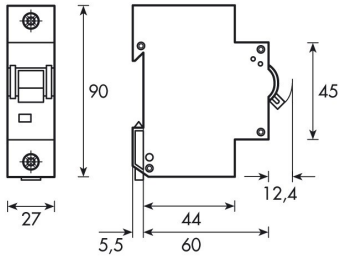


4-pole

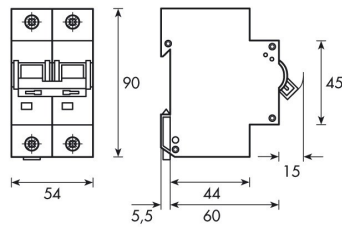


Dimensions

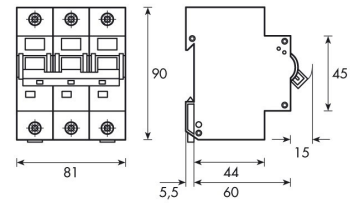
1-pole



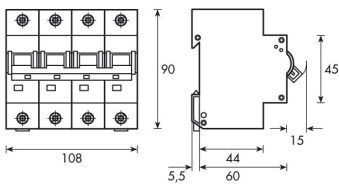
2-pole



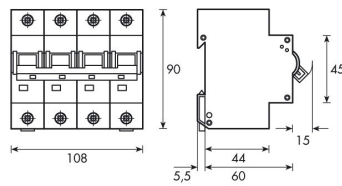
3-pole



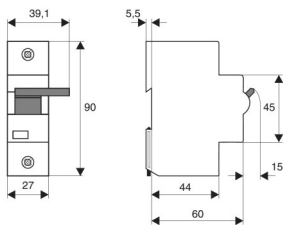
3+N



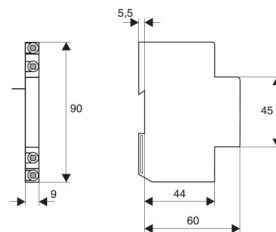
4-pole



Shunt release



Auxiliary contact



Articles

High Current MCB series BR, 1-pole

Description:	order no.
Characteristic C	
20A	BR571200--
25A	BR571250--
30A	BR571320--
40A	BR571400--
50A	BR571500--
63A	BR571630--
80A	BR571800--
100A	BR571910--
125A	BR571912--
Characteristic D	
80A	BR591800--

High Current MCB series BR, 2-pole

Description:	order no.
Characteristic C	
20A	BR572200--
100A	BR572910--
125A	BR572912--

High Current MCB series BR, 3-pole

Description:	order no.
Characteristic C	
20A	BR573200--
25A	BR573250--
32A	BR573320--
40A	BR573400--
50A	BR573500--
63A	BR573630--
80A	BR573800--
100A	BR573910--
125A	BR573912--
Characteristic D	
50A	BR593500--
63A	BR593630--
80A	BR593800--
100A	BR593910--

High Current MCB series BR, 3+N

Description:	order no.
Characteristic C	
32A	BR578320--
50A	BR578500--
63A	BR578630--
80A	BR578800--
100A	BR578910--
125A	BR578912--
50A	BR598500--
63A	BR598630--
80A	BR598800--
100A	BR598910--

High Current MCB series BR, 4-pole

Description:	order no.
Characteristic C	
20A	BR574200--
25A	BR574250--
32A	BR574320--
40A	BR574400--
50A	BR574500--
63A	BR574630--
80A	BR574800--
100A	BR574910--
125A	BR574912--

High Current MCB series BR V-SI, Styria-type

Description:	order no.
Characteristic D	
20A	BR561200--
25A	BR561250--
32A	BR561320--
40A	BR561400--
50A	BR561500--
63A	BR561630--
80A	BR561800--
100A	BR561910--

Accessories for series BR

Description:	order no.
Remote release	
Shunt Release 230V, BR-	BR900003--
Shunt Release 24V, BR-	BR900004--
Auxiliary contact	
Auxiliary Contact 1NO+1NC TO L, for BR Breakers	BR900005--
On/off switch protection	
Switch on/off protection	BR900002--
Switch off protection	BR900001--
Lock for lug for High Current MCB series BR	BR900007--
Cover	
IP 20 cover for BR	BR900030--