



- Degree of protection: Explosion-protected 1- and 2-pole moulded case circuit breaker with thermomagnetic protection
- Rated operational current from 15 to 125 A
- Maximum rated operational voltage: IEC/ATEX up to 415 V AC and NEC/CE Code up to 480 V AC
- Rated switching capacity of 10 kA according to IEC/EN 60947/UL 489
- Isolating characteristics according to IEC/EN 60947-2
- Thermal and magnetic release permanently set
- Design according to UL 489/CSA-C22.2 No. 5 and IEC 60947-2

MY R. STAHL 8568A



The Series 8568 moulded case circuit breakers meets all of the technical requirements for safe and selective switching-off. In the event of a short circuit, they limit the energy in the connected electrical circuits due to their mode of operation which effectively restricts short-circuit current, and thanks to their high short-circuit strength. They therefore provide a high degree of protection against back-up fuses tripping.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in		•				

	CE Code Section 18					
	NEC® 505			NEC® 506		
	Class I					
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•			

	IECEx / ATEX					
	0	1	2	20	21	22
Zone						
Ex interface						
Installation in		•	•		•	•

Selection Table				
No. of poles	1			
Rated operational voltage AC (NEC)	347 V			
Rated operational voltage DC (NEC)	125 V			
Rated operational voltage AC	240 V			
Rated operational voltage DC	125 V			
Rated operational current	Product Type	Art. No.	Weight	
15 A	8568/MCCB-GS101B-15	219818	2.35 kg	
20 A	8568/MCCB-GS101B-20	219820	2.35 kg	
25 A	8568/MCCB-GS101B-25	240682	2.35 kg	
30 A	8568/MCCB-GS101B-30	219821	2.35 kg	
35 A	8568/MCCB-GS101B-35	240683	2.35 kg	
40 A	8568/MCCB-GS101B-40	219823	2.35 kg	
45 A	8568/MCCB-GS101B-45	240684	2.35 kg	
50 A	8568/MCCB-GS101B-50	240685	2.35 kg	
60 A	8568/MCCB-GS101B-60	219824	2.35 kg	
70 A	8568/MCCB-GS101B-70	240686	2.35 kg	
80 A	8568/MCCB-GS101B-80	240687	2.35 kg	
90 A	8568/MCCB-GS101B-90	240688	2.35 kg	
100 A	8568/MCCB-GS101B-100	240689	2.35 kg	
110 A	8568/MCCB-GS101B-110	240690	2.35 kg	
125 A	8568/MCCB-GS101B-125	240691	2.35 kg	

Selection Table

No. of poles	2
Rated operational voltage AC (NEC)	480 V
Rated operational voltage DC (NEC)	125 V / 250 V
Rated operational voltage AC	240 V / 415 V
Rated operational voltage DC	125 V / 250 V

Rated operational current	Product Type	Art. No.	Weight
15 A	8568/MCCB-GS102B-15	240692	3.4 kg
20 A	8568/MCCB-GS102B-20	219825	3.4 kg
25 A	8568/MCCB-GS102B-25	240693	3.4 kg
30 A	8568/MCCB-GS102B-30	219826	3.4 kg
35 A	8568/MCCB-GS102B-35	240694	3.4 kg
40 A	8568/MCCB-GS102B-40	219827	3.4 kg
45 A	8568/MCCB-GS102B-45	240695	3.4 kg
50 A	8568/MCCB-GS102B-50	240696	3.4 kg
60 A	8568/MCCB-GS102B-60	219829	3.4 kg
70 A	8568/MCCB-GS102B-70	240697	3.4 kg
80 A	8568/MCCB-GS102B-80	240698	3.4 kg
90 A	8568/MCCB-GS102B-90	240699	3.4 kg
100 A	8568/MCCB-GS102B-100	219830	3.4 kg
110 A	8568/MCCB-GS102B-110	240700	3.4 kg
125 A	8568/MCCB-GS102B-125	240701	3.4 kg

For 250 V DC, two poles are required in series.

Technical Data

Variant	15 A to 60 A	70 A to 125 A
Explosion Protection		
Application range (Zone) note	For use in Zone 21/22 when protected by Ex tb/tc enclosure	For use in Zone 21/22 when protected by Ex tb/tc enclosure
FMus certificate	FM19US0099U	FM19US0099U
Marking FMus	Class I, Div. 2, Groups A,B,C,D; T6 ... T4; Class I, Zone 1, AEx db eb IIC T6 ... T4	Class I, Div. 2, Groups A,B,C,D; T6 ... T4; Class I, Zone 1, AEx db eb IIC T6 ... T4
cFM certificate	FM19CA0049U	FM19CA0049U
Marking cFM	Class I, Zone 1, Ex db eb IIC T6 ... T4 Class I, Div. 2, Groups A,B,C,D; ; T6 ... T4,	Class I, Zone 1, Ex db eb IIC T6 ... T4 Class I, Div. 2, Groups A,B,C,D; ; T6 ... T4,
IECEX gas explosion protection	Ex db eb IIC T4 / T6 Gb	Ex db eb IIC T4 / T5 Gb
Certificates	ATEX (FM), Canada (FM), IECEX (FM), USA (FM)	ATEX (FM), Canada (FM), IECEX (FM), USA (FM)
Electrical Data		
Type of voltage	AC/DC	AC/DC
Auxiliary contacts	without	without
Auxiliary contacts 2	without	without
N-pole present	No	No
Rated interrupting capacity	10 kA	10 kA
Ambient Conditions		
Ambient temperature °F	-22 °F ... +104 °F (T6) -22 °F ... +140 °F (T4)	-22 °F ... +104 °F (T5) -22 °F ... +140 °F (T4)
Ambient temperature °C	-30 °C ... +40 °C (T6) -30 °C ... +60 °C (T4)	-30 °C ... +40 °C (T5) -30 °C ... +60 °C (T4)
Note	Ambient temperature range for the device's installation location. If the device is installed at temperatures reaching +60 °C (+140 °F), please contact the factory.	Ambient temperature range for the device's installation location. If the device is installed at temperatures reaching +60 °C (+140 °F), please contact the factory.
Mechanical Data		
Connection cross-section AWG	10 AWG ... 1/0 AWG	AWG2 ... AWG4/0

Technical Data		
Variant	15 A to 60 A	70 A to 125 A
Mechanical Data		
Connection cross-section	6 ... 50 mm ²	35 ... 95 mm ²
Degree of protection (IP)	IP20	IP20
Enclosure material	Epoxy resin	Epoxy resin
Mounting / Installation		
Tightening torque lbf in	53 to 71 lbf in	132 to 177 lbf in
Tightening torque	6 – 8 Nm	15 – 20 Nm

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

