

Compact Moulded Case Circuit Breaker

Series 8568

STAHL



- Degree of protection: Flameproof 1- and 2-pole with thermal-magnetic branch circuit protection
- Rated operational current from 15 to 125 A
- Maximum rated operational voltage - IEC / ATEX up to 415 V AC and NEC / CEC up to 480 V AC
- 10 kA rated switching capacity IEC/EN 60947 / UL 489
- Isolating function to IEC/EN 60947-2
- Permanently set thermal and magnetic trips
- Design to UL 489 / CSA-C22.2 No. 5 & IEC 60947-2

E9

WebCode **8568A**



Series 8568 molded-case circuit breakers meet all technical requirements relating to safe and selective tripping. When short-circuits occur, they restrict the load on the installed circuits due to their excellent current limiting and related high breaking capacity and provide a high level of discrimination for line-side fuses.

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

	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•				

	CEC Section 18					
	NEC® 505 Class I			NEC® 506		
Zone	0	1	2	20	21	22
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 kg	
15 A	8568/MCCB-GS101B-15	219818	2.350	
20 A	8568/MCCB-GS101B-20	219820	2.350	
25 A	8568/MCCB-GS101B-25	240682	2.350	
30 A	8568/MCCB-GS101B-30	219821	2.350	
35 A	8568/MCCB-GS101B-35	240683	2.350	
40 A	8568/MCCB-GS101B-40	219823	2.350	
45 A	8568/MCCB-GS101B-45	240684	2.350	
50 A	8568/MCCB-GS101B-50	240685	2.350	
60 A	8568/MCCB-GS101B-60	219824	2.350	
70 A	8568/MCCB-GS101B-70	240686	2.350	
80 A	8568/MCCB-GS101B-80	240687	2.350	
90 A	8568/MCCB-GS101B-90	240688	2.350	
100 A	8568/MCCB-GS101B-100	240689	2.350	
110 A	8568/MCCB-GS101B-110	240690	2.350	
125 A	8568/MCCB-GS101B-125	240691	2.350	

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 kg
15 A	8568/MCCB-GS102B-15	240692	3.400
20 A	8568/MCCB-GS102B-20	219825	3.400
25 A	8568/MCCB-GS102B-25	240693	3.400
30 A	8568/MCCB-GS102B-30	219826	3.400
35 A	8568/MCCB-GS102B-35	240694	3.400
40 A	8568/MCCB-GS102B-40	219827	3.400
45 A	8568/MCCB-GS102B-45	240695	3.400
50 A	8568/MCCB-GS102B-50	240696	3.400
60 A	8568/MCCB-GS102B-60	219829	3.400
70 A	8568/MCCB-GS102B-70	240697	3.400
80 A	8568/MCCB-GS102B-80	240698	3.400
90 A	8568/MCCB-GS102B-90	240699	3.400
100 A	8568/MCCB-GS102B-100	219830	3.400
110 A	8568/MCCB-GS102B-110	240700	3.400
125 A	8568/MCCB-GS102B-125	240701	3.400

For 250 V DC, 2 poles in series are needed.

Technical Data

Variant	15 A ... 60 A	70 A ... 125 A
Explosion Protection		
Application range (Zone) note	Can be used in Zone 21 / 22 with protection by installation in enclosure Ex tb / tc	Can be used in Zone 21 / 22 with protection by installation in enclosure Ex tb / tc
IECEx gas explosion protection	Ex db eb IIC T4 ... T6 Gb	Ex db eb IIC T4 ... T5 Gb
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T4 ... T6 Gb	⊕ II 2 G Ex db eb IIC T4 ... T5 Gb
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
Marking cFM	Class I, Div. 2, Groups A,B,C,D; T6 ... T4 Ex db eb IIC T6 ... T4	Class I, Div. 2, Groups A,B,C,D; T6 ... T4 Ex db eb IIC T6 ... T4
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 switching capacity	10 kA	10 kA
Ambient Conditions		
Ambient temperature	-30 °C ... +40 °C (T6) -30 °C ... +60 °C (T4)	-30 °C ... +40 °C (T5) -30 °C ... +60 °C (T4)
Ambient temperature	-22 °F ... +104 °F (T6) -22 °F ... +140 °F (T4)	-22 °F ... +104 °F (T5) -22 °F ... +140 °F (T4)
Note	Ambient temperature range for the location of the equipment installation. For installation up to +60 °C (+140 °F), consult the factory.	Ambient temperature range for the location of the equipment installation. For installation up to +60 °C (+140 °F), consult the factory.

Technical Data		
Variant	15 A ... 60 A	70 A ... 125 A
Mechanical Data		
Degree of protection (IP)	IP20	IP20
Enclosure material	Epoxy resin	Epoxy resin
Connection cross-section	6 ... 50 mm ²	35 ... 95 mm ²
Connection cross-section AWG	10 AWG ... 1/0 AWG	AWG2 ... AWG4/0
Mounting / Installation		
Tightening torque	6 – 8 Nm	15 – 20 Nm
Tightening torque lbf in	53 ... 71 lbf-in	132 ... 177 lbf-in

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

