

# 8146/5 Series Breaker Panelboards

BREAKER PANELBOARDS FOR HAZARDOUS & CORROSIVE ENVIRONMENTS

STAHL

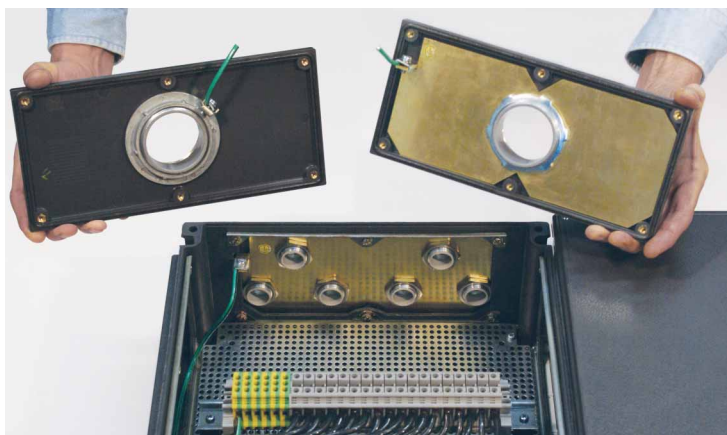


## Breaker Panels

### Features:

- Wide variety of Flameproof branch circuit breakers for Zone 1 & Division 2 to UL 489 & CSA C22.2 No. 5
  - Thermal-magnetic branch circuit breaker protection, 40A max.
  - Mounted under hinged window flaps for easy actuation.
  - Shunt trips (optional).
  - Lockout on breaker and window flap.
  - Line and load side factory wired to “increased safety” terminals, ready for field connections
- Flameproof main disconnect switches 125A max. with lockout provision (optional).
- FRP “increased safety” enclosures
  - Suitable for wet and corrosive locations
  - Impact resistant
  - Light weight
  - Wall mounting frames available
  - Flange Plates can be fitted with “Increased Safety” certified conduit hubs or cable glands (see section J).
  - No seals required for Division 2 application.

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Conduit hubs or cable glands can be installed with back-up bonding plates, as shown above or with "increased safety" grounding locknuts which are interconnected with green jumper wire and also connected to the ground system.

For details see page C3, and for spacing see page C4.



Springloaded - hinged window flaps allow easy viewing and quick access to breakers without opening the enclosure.

Individual breakers and the window flaps can be padlocked.

Max. Number of Ex MCBs Under One Window Flap	Ex MCBs
6	1 pole
4	2 pole
3	3 pole



#### Technical Data of Main Disconnect Switches

Type	Voltage ac	Amperage	Back-Up Fuse J
8543/1	600	40	60 A max.
8543/2	600	63	100 A max.
8548/1	600	125	200 A max.

The Disconnect Switches are made of FRP to safely contain the pressure generated by an internal explosion.

Optional auxiliary contacts are available.



**CLASSIFICATIONS of Breaker****NEC**

Class I, Zone 1, AEx de IIC T5 or T6  
Class I, Div. 2, Groups A, B, C & D

**CEC**

Ex de IIC T5 or T6  
Class I, Div. 2, per: CEC J18-150 (C)



Certified File No. 1850696



File No. 3033692

**FEATURES**

- Method of Protection: Flameproof  
1, 2 and 3 Pole with Thermal -  
Magnetic Branch Circuit Protection
- Design to UL 489 and  
CSA-C22.2 No. 5-02
- Options: Shunt Trip
- Breakers are not temperature  
compensated

**8146/5 Series Breaker Panelboards**

THERMAL-MAGNETIC Ex MCBs TO UL 489 & CSA C22.2 No.5

**1 Pole Ex MCB, 8562/51 Series**

Amp Rating at Ta = 25°C	Catalog Number		
	120/240 Vac, 10 kAIC	277 Vac, 10 kAIC	60 V, 0-60 Hz, 5kAIC
0.2	8562/51-1420-002	8562/51-1430-002	N/A
0.3	8562/51-1420-003	8562/51-1430-003	N/A
0.5	8562/51-1420-005	8562/51-1430-005	N/A
0.75	8562/51-1420-008	8562/51-1430-008	N/A
1.0	8562/51-1420-010	8562/51-1430-010	8562/51-1410-010
1.6	8562/51-1420-016	8562/51-1430-016	8562/51-1410-016
2	8562/51-1420-020	8562/51-1430-020	8562/51-1410-020
3	8562/51-1420-030	8562/51-1430-030	8562/51-1410-030
4	8562/51-1420-040	8562/51-1430-040	8562/51-1410-040
5	8562/51-1420-050	8562/51-1430-050	N/A
6	8562/51-1420-060	8562/51-1430-060	8562/51-1410-060
8	8562/51-1420-080	8562/51-1430-080	8562/51-1410-080
10	8562/51-1420-100	8562/51-1430-100	8562/51-1410-100
13	N/A	N/A	8562/51-1410-130
15	8562/51-1420-150	8562/51-1430-150	N/A
16	8562/51-1420-160	8562/51-1430-160	8562/51-1410-160
20	8562/51-1420-200	8562/51-1430-200	8562/51-1410-200
25	8562/51-1420-250	8562/51-1430-250	8562/51-1410-250
30	8562/51-1420-300	8562/51-1610-300	N/A
32	8562/51-1420-320	8562/51-1610-320	N/A
40	8562/51-1420-400	8562/51-1610-400	N/A

**2 Pole Ex MCB, 8562/52 Series**

Amp Rating at Ta = 25°C	Catalog Number	
	120/240 Vac, 10 kAIC	480Y/ 277 Vac, 10 kAIC
0.2	8562/52-2420-002	8562/52-2430-002
0.3	8562/52-2420-003	8562/52-2430-003
0.5	8562/52-2420-005	8562/52-2430-005
0.75	8562/52-2420-008	8562/52-2430-008
1.0	8562/52-2420-010	8562/52-2430-010
1.6	8562/52-2420-016	8562/52-2430-016
2	8562/52-2420-020	8562/52-2430-020
3	8562/52-2420-030	8562/52-2430-030
4	8562/52-2420-040	8562/52-2430-040
5	8562/52-2420-050	8562/52-2430-050
6	8562/52-2420-060	8562/52-2430-060
8	8562/52-2420-080	8562/52-2430-080
10	8562/52-2420-100	8562/52-2430-100
15	8562/52-2420-150	8562/52-2430-150
16	8562/52-2420-160	8562/52-2430-160
20	8562/52-2420-200	8562/52-2430-200
25	8562/52-2420-250	8562/52-2430-250
30	8562/52-2420-300	8562/52-2610-300
32	8562/52-2420-320	8562/52-2610-320
40	8562/52-2420-400	8562/52-2610-400

**3 Pole Ex MCB, 8562/53 Series**

Amp Rating at Ta = 25°C	Catalog Number	
	240 Vac, 10 kAIC	480Y/ 277 Vac, 10 kAIC
0.2	8562/53-3420-002	8562/53-3430-002
0.3	8562/53-3420-003	8562/53-3430-003
0.5	8562/53-3420-005	8562/53-3430-005
0.75	8562/53-3420-008	8562/53-3430-008
1.0	8562/53-3420-010	8562/53-3430-010
1.6	8562/53-3420-016	8562/53-3430-016
2	8562/53-3420-020	8562/53-3430-020
3	8562/53-3420-030	8562/53-3430-030
4	8562/53-3420-040	8562/53-3430-040
5	8562/53-3420-050	8562/53-3430-050
6	8562/53-3420-060	8562/53-3430-060
8	8562/53-3420-080	8562/53-3430-080
10	8562/53-3420-100	8562/53-3430-100
15	8562/53-3420-150	8562/53-3430-150
16	8562/53-3420-160	8562/53-3430-160
20	8562/53-3420-200	8562/53-3430-200
25	8562/53-3420-250	8562/53-3430-250
30	8562/53-3420-300	8562/53-3610-300
32	8562/53-3420-320	8562/53-3610-320
40	8562/53-3420-400	8562/53-3610-400

