

8264/5

FACTORY SEALED POWER
DISTRIBUTION & CONTROL



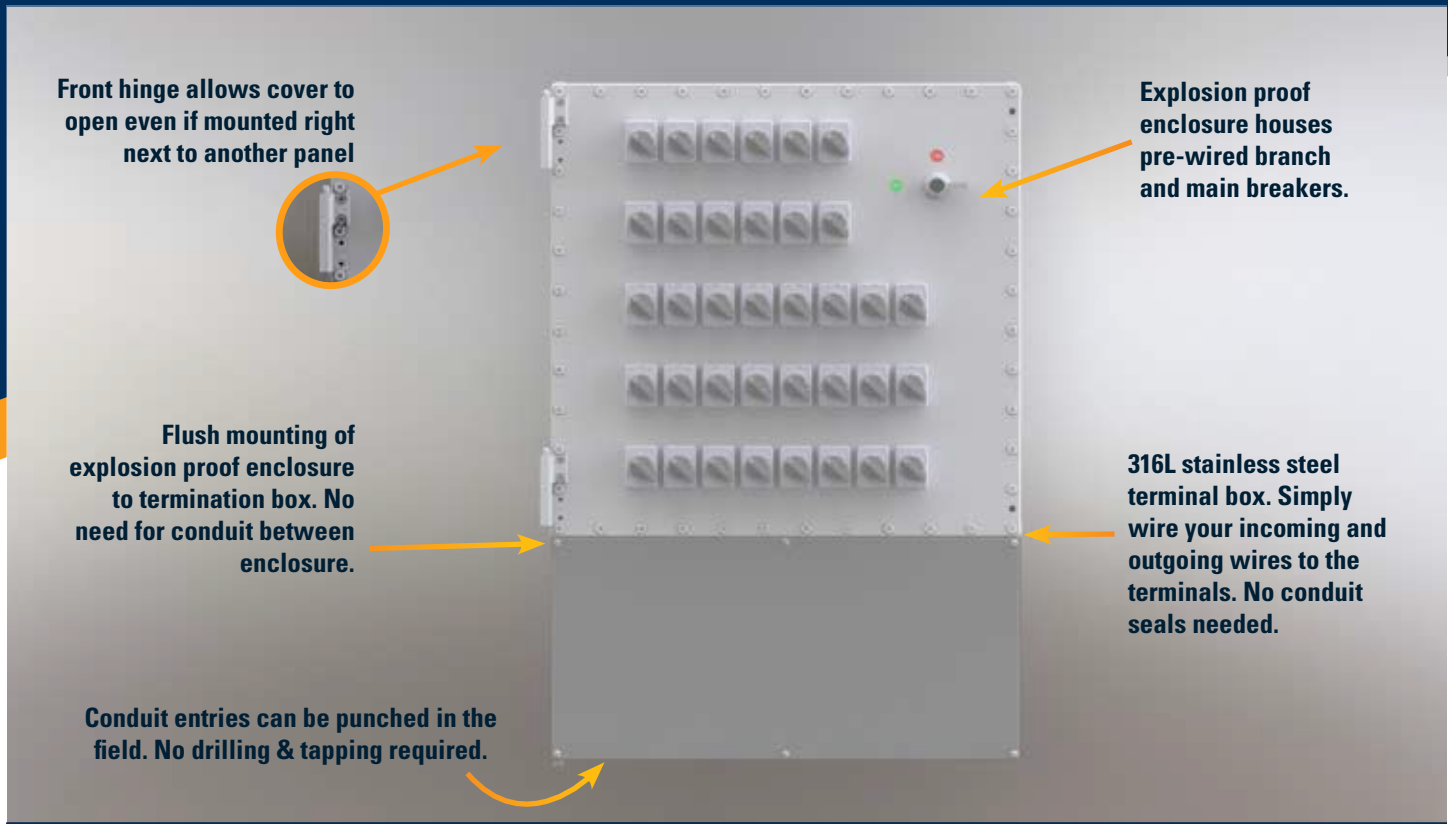
FACTORY SEALED EXPLOSION PROTECTED PRODUCTS

EXPLOSION PROTECTION EXPERTS

STAHL

8264/5BP

CIRCUIT BREAKER PANELS



Applications:

- For hazardous classified locations due to explosive gas and/or dust atmospheres.
- Petroleum refineries, oil sands, chemical and petrochemical facilities with indoor or outdoor processes.
- Applications requiring over current and short circuit protection for power, lighting, and heat tracing.

Standard Materials:

- Breaker Enclosure: Cast, copper free aluminum (316L stainless steel option available)
- Terminal Enclosure: 316L stainless steel
- Hardware: stainless steel
- Hinges: 316L stainless steel available
- Mounting brackets: Hot Dipped Galvanized Steel [HDG] (316 stainless steel optional)

Features:

- Panels come pre wired to terminals.
- Conduit entries for incoming and outgoing cables can be punched in the field. No need to drill and tap.
- Breaker handles are padlockable in the OFF position.
- GFEP's and GFCI's are also available for ground fault protection.
- Main breakers available
- Standard bottom entry reduces risk of moisture ingress. (Top entry is available)
- Available in 12, 18, 24, 30, and 36 circuits
- Breather drains available
- Hinge design allows panels to be mounted directly next to another panel, saving space
- Factory sealed terminal enclosure eliminates the need for conduit seals
- Panel comes with pre-wired and marked, line & load side terminals

CLASSIFICATIONS

NEC/CEC

Class I, Division 2, Groups C & D
Class II, Div 2, Groups F, G

Environmental Protection

Type 3, 4, 4X; IP66

Save Installation Time

- No expensive and labor intensive conduit seals.
- No drilling and tapping enclosures

Work Safer

- Padlockable breaker handles.

Options:

- Complete skid fabrication capabilities including mounted transformers and photo cell available
- 316L stainless steel enclosure*
- Internal / External epoxy paint*
- Inverted design*

* Consult factory

LOGIC

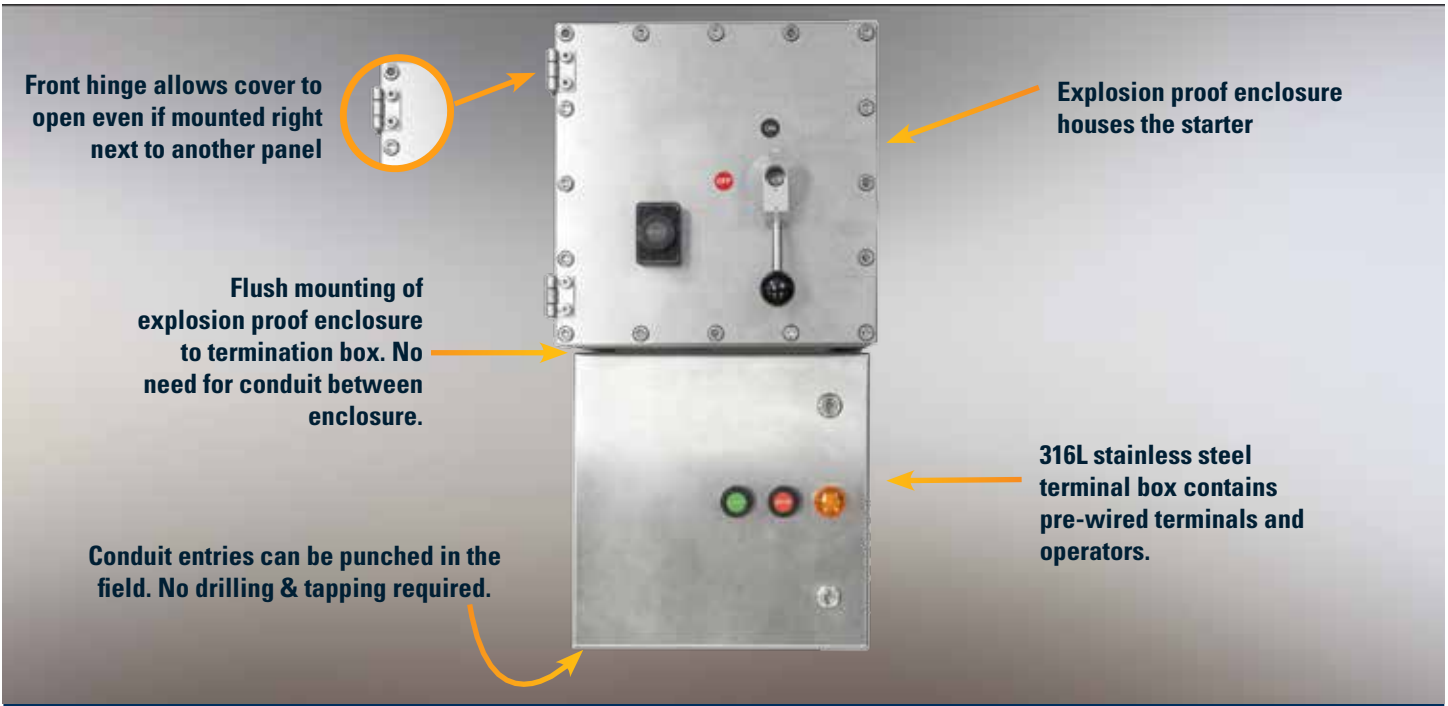
8264/5BP	a	b	c	d	e	ff
Example 8264/5BP	2	36-	MB225-	361P20-	D	TF
Description: 36 circuit panel 120V/240V with a 225 Amp main breaker, (36) 1-pole 20 Amp breakers with drains top feed						
a	Voltage / Phase					
	1 = 208Y/120V AC 3 Phase, 4 Wire 2 = 120/240V, 1 Phase, 3 Wire			3 = 480Y/277V AC 3 Phase, 4 Wire 4 = 600Y/480V AC 3 Phase, 3 Wire		
b	Number of Circuits					
	12 = 12 Spaces 18 = 18 Spaces 24 = 24 Spaces 30 = 30 Spaces 36 = 36 Spaces			Note: For sizing purposes: 1 Pole = 1 Space 2 Pole = 1 Space 3 Pole = 1 Spaces GFCI = 1 Space EPD = 1 Space		
c	Line Side					
	MLO100 = 100 Amp Main Lug Only (Terminals) MLO150 = 150 Amp Main Lug Only (Terminals) MLO200 = 200 Amp Main Lug Only (Terminals) MLO225 = 225 Amp Main Lug Only (Terminals)			MB100 = 100 Amp Main Breaker MB150 = 150 Amp Main Breaker MB200 = 200 Amp Main Breaker MB225 = 225 Amp Main Breaker		
d	Branch Breakers (QTY, Poles, AMP)					
	xx = Number of Breakers 1P = 1 Pole Breaker 2P = 2 Pole Breaker 3P = 3 Pole Breaker			yy = Amp Rating of Breaker EPD = 30 mA GFEP Breaker GFCI = 5mA GFCI Breaker		
e	Enclosure Drain					
	D = With Drain O = Without Drain					
ff	Feed Entry					
	TF – Top Feed BF – Bottom Feed FT – Feed Through					

LET R. STAHL BUILD THE ENTIRE RACK ASSEMBLY
COMPLETE WITH
TRANSFORMER AND PHOTOCCELL.
CONTACT
SALES@RSTAHL.COM
FOR MORE INFORMATION



8264/5MS

MOTOR STARTER



Applications:

- For general motor control in classified explosive environments.
- For across the line, reversing and combination starter applications
- For indoor and outdoor use.
- To provide motor overload and under voltage protection

Standard Materials:

- Breaker Enclosure: Cast, copper free aluminum (316L stainless steel option available)
- Terminal Enclosure: 316L stainless steel
- Hardware: stainless steel
- Hinges: 316L stainless steel
- Mounting brackets: Hot Dipped Galvanized Steel [HDG] (316 stainless steel optional)

Standard Finishes:

- Breaker Enclosure: Natural (epoxy coating available)
- Terminal Enclosure: Brushed

Features:

- Factory installed seals between starter enclosure and the connection\control enclosure eliminate the need for field installed seals, simply connect conduit to the connection enclosure.
- Taperless wall design allows for direct enclosure mating, eliminating unions or couplings, minimizing height of panel
- Hinge design allows panels to be mounted directly next to another panel, saving space.
- Certified explosion protected operators\contacts mounted in easy access stainless steel enclosure
- Terminal enclosure is easily punched in the field allowing for custom number and size of conduit entries
- Operators and transformer (if equipped) are located in easily accessible connection chamber allowing fast access for installation or repair\replacement.
- Panel comes pre-wired with marked line & load side terminals. All factory installed controls are pre-wired to terminals
- Bottom feed for line and load (inverted design or top and bottom entry available)

CLASSIFICATIONS

NEC/CEC

- Class I, Division 2, Groups C & D
- Class II, Div 2, Groups F, G

Environmental Protection

Type 3, 4, 4X; IP66

Options:

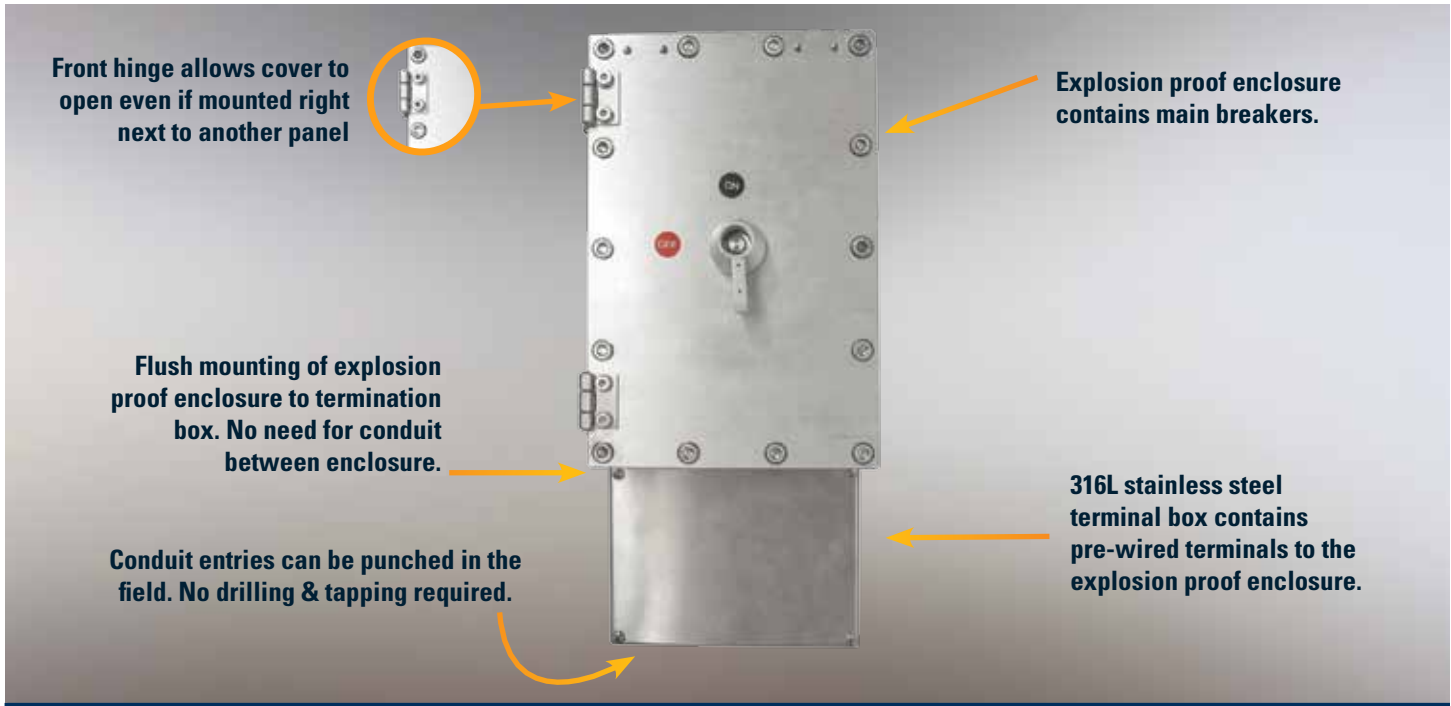
- Stainless starter enclosure
- External epoxy paint
- Internal/External epoxy paint
- Factory installed conduit hubs

LOGIC

8264/5MS	a	b	c	d	eee	fff	gg	hh	iii*
Example 8264/5MS	1	2	04	5	9	000	SD	TF	SSE
Description: Across the line, 480 VAC Amp, 15 Horsepower none electrical overload protection, 150 Curent Rating, 000 SD Top Feed Stainless Steel									
a	Type								
	1 = Across the line 2 = Combination 3 = Empty enclosure for across the line starters				4 = Empty enclosure for combination starters 5 = Reversing 6 = Other (consult factory)				
b	Voltage								
	1 = 110 VAC 2 = 240 VAC 3 = 480 VAC 4 = 600 VAC								
c	Horsepower								
	01 = 5 HP 02 = 7 ½ HP 03 = 10 HP 04 = 15 HP			05 = 20 HP 06 = 25 HP 07 = 40 HP 08 = 50 HP			09 = 75 HP 10 = 100 HP 11 = 125 HP 12 = 150 HP		
d	Short Circuit/Magnetic Protection								
	1 = Circuit Breaker 2 = MCP (Motor Circuit Protector) 3 = Disconnect (Non-fused)				4 = Disconnect (fused) 5 = None (Across the line)				
eee	Current Rating								
	1 = 15 Amps 2 = 20 Amps 3 = 30 Amps			4 = 50 Amps 5 = 70 Amps 6 = 90 Amps			7 = 100 Amps 8 = 125 Amps 9 = 150 Amps		
fff	Coil Voltage								
	024 = 24 VAC 120 = 120 VAC 240 = 240 VAC					999 = According to Specification 000 = None (manual starter)			
gg	Manufacturer								
	CH – Cutler Hammer AB – Allen Bradley				GE – General Electric SD – Square D				
hh	Entry								
	TF – Top Feed BF – Bottom Feed TB – Top line connection, Bottom load connection, Feed through								
iii* *List all that apply	Options								
	EX1 – Epoxy paint inside EX2 – Epoxy paint inside & out SSE – Stainless Steel starter enclosure PLG – Green LED light (on) PLR – Red LED light (off) PB1 - Start Pushbutton PB2 – Stop Pushbutton SS1 – On-off selector switch HOA – Hand-off-auto selector switch				SH1 – 120V 25 Watt space heater SH2 – 240V 25 Watt space heater SH3 – 480V 25 Watt space heater AOL – Automatic reset overload relay BD – Breather \ drain OTH – other (please specify) CVT – Control Voltage Transformer (Class CC fuse protection included) -1 = 100VA -2 = 200VA -3 = 300VA				

8264/5MB

MAIN BREAKER



Applications:

- Locations such as chemical facilities and petroleum refineries
- Circuit protection in areas with explosive classified locations
- To provide line disconnect means
- Provide overcurrent and short circuit protection.

Standard Materials:

- Breaker Enclosure: Cast, copper free aluminum (316L stainless steel option available)
- Terminal Enclosure: 316L stainless steel
- Hardware: stainless steel
- Hinges: 316 stainless steel
- Mounting brackets: Hot Dipped Galvanized Steel [HDG] (316 stainless steel optional)

Standard Finishes:

- Breaker Enclosure: Natural (epoxy coating available)
- Terminal Enclosure: Brushed

Features:

- Factory installed seals between breaker enclosure and connection enclosure eliminate the need for field installed conduit seals.
- Taperless flat wall design allows for direct enclosure mating, eliminating unions or couplings, minimizing height of panel
- Hinge design allows panels to be mounted directly next to another panel, saving space
- Terminal enclosure is easily punched in the field allowing for custom number and size of conduit entries
- Panel comes pre-wired to terminals and marked, line & load side terminals. Bottom feed for line and load (inverted design or top and bottom entry available)

CLASSIFICATIONS

NEC/CEC

- Class I, Division 2, Groups C & D
- Class II, Div 2, Groups F, G

Environmental Protection

- Type 3, 4, 4X; IP66
- Ambient Temp Rating

Options:

- Stainless steel breaker enclosure
- Stainless steel hinges
- External epoxy paint
- Internal / External epoxy paint

8264/5MB

MAIN BREAKER

EXPLOSION PROTECTION EXPERTS

STAHL

LOGIC

8264/5MB	a	b	c	ddd	ee	fff*
Example 8264/5MB	P	1	01	100	CH	SSE
Description: 120 VAC 100 Amp cutler hammer main breaker with stainless steel breaker enclosure						
a	Type					
	P = Populated with breaker E = Empty Enclosure					
b	Voltage					
	1 = 120 VAC 2 = 240 VAC 3 = 480 VAC 4 = 600 VAC					
c	Frame Size					
	01 = 100 02 = 150 03 = 250					
ddd	Current Rating					
	050 = 50 Amps 070 = 70 Amps 100 = 100 Amps 125 = 125 Amps 150 = 150 Amps 175 = 175 Amps 200 = 200 Amps 225 = 225 Amps 250 = 250 Amps xxx = special					
ee	Manufacturer					
	CH – Cutler Hammer SI – Siemens AB – ABB					
fff* *List all that apply	Options					
	EX1 – Epoxy paint inside EX2 – Epoxy paint inside & out SSE – Stainless steel breaker enclosure SH1 – 120V 25 Watt space heater SH2 – 240V 25 Watt space heater SH3 – 480V 25 Watt space heater BD – Breather/drain					

LOOK FOR OUR EPIK SOLUTIONS



FOR MORE INFORMATION
CONTACT YOUR STAHL REPRESENTATIVE



CIRCUIT BREAKER PANEL



MOTOR STARTERS

STAINLESS STEEL EXPLOSION PROTECTED

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