



# Modular Switchcracks

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## Prefabricated Solutions Advantages:

### Faster:

Modular construction sidesteps the possibility of unreliable contractors and unproductive staff. Additionally, the reduction in construction time can significantly save on construction financing costs. In many instances, prefabrication takes less than half the time when compared to traditional construction.

### Savings:

You can expect significant savings due to the ability to progress work as a parallel operation in our factory and on your construction site. Significant cost savings on concrete slab foundation and hiring a civil engineer.

### Quality:

Factory tolerances and workmanship is of a higher quality and consistency to that achieved on site. Since prefabricated construction occurs in a controlled

manufacturing environment and follows specified ISO 9001 standards, the sub-assemblies of the structure will be built to a uniform quality.

### Safty:

Since sub-assemblies are created in a factory controlled environment utilizing dry materials, there is less risk for problems associated with moisture, environmental hazards and dirt. Also, an indoor construction environment presents considerably fewer risks for accidents and other liabilities.



**2 Weeks Lead Time on Frame Only**



**180mph Wind Rated Steel Structure, 150mph Aluminum**

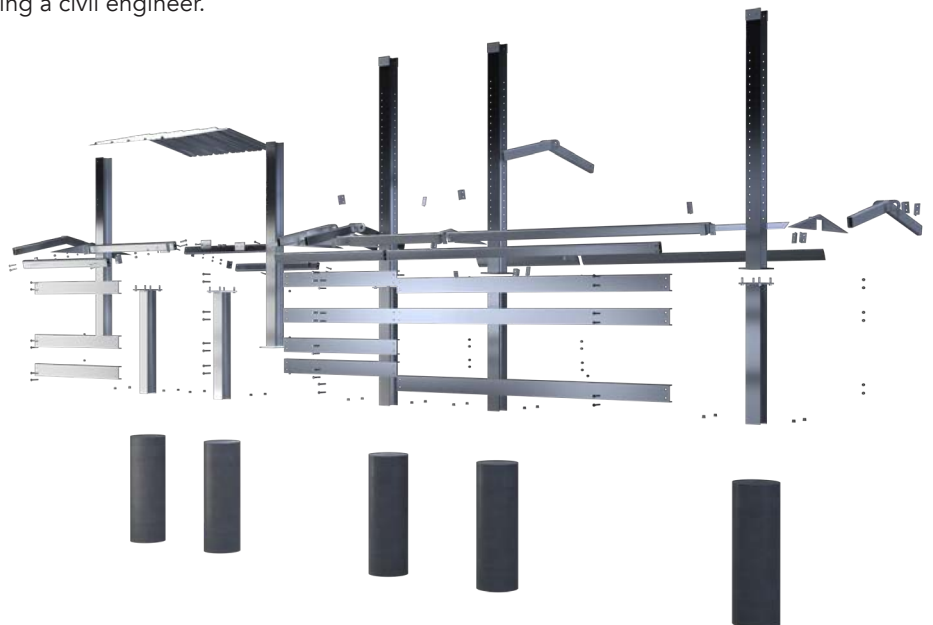


## Bolted Switchcracks:

- Bolted Quick Ship Design - Galvanized, Painted, or Aluminum
- **180mph Wind Rated Structure (Steel) 150mph (Aluminum)**
- Aluminum Racks Resistant to H2S Gas & Salt Water

- Standard Lead Time: **2 Weeks on Frame Only**  
4-6 Weeks on Integrated Switchrack
- PE Stamped Structural Drawings
- PE Stamped Civil Drawing of Cement Foundation Column. Significant cost savings on concrete slab foundation and hiring a civil engineer.

- tightening and thread seizing. A system of locks shall prevent covers from loosening due to external vibration.
- Female threads on the top cover with male threads on the bottom cover shall ensure inherent water and rain shedding.





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## Catalog Number System

SWRK-5CSMS-206RPB

**SWRK - 5 CS M S - 2 06 R P B**

<p><b>Width (ft. decimal)</b></p> <table border="1"> <tr><td>5</td><td>5'</td></tr> <tr><td>10</td><td>10'</td></tr> <tr><td>15</td><td>15'</td></tr> <tr><td>20</td><td>20'</td></tr> <tr><td>25</td><td>25'</td></tr> <tr><td>30</td><td>30'</td></tr> <tr><td>35</td><td>35'</td></tr> <tr><td>40</td><td>40'</td></tr> </table> <p>* Modular racks come on 5 ft increments with unlimited expansion</p>	5	5'	10	10'	15	15'	20	20'	25	25'	30	30'	35	35'	40	40'	<p><b>Construction</b></p> <table border="1"> <tr><td>M</td><td>Modular</td></tr> </table>	M	Modular	<p><b>Material</b></p> <table border="1"> <tr><td>CS</td><td>Carbon Steel</td></tr> <tr><td>SS</td><td>Stainless</td></tr> <tr><td>AL</td><td>Aluminum</td></tr> </table>	CS	Carbon Steel	SS	Stainless	AL	Aluminum	<p><b>Columns</b></p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> </table>	1	2	3	4	5	6	<p><b>Sides</b></p> <table border="1"> <tr><td>S</td><td>Single Sided</td></tr> <tr><td>D</td><td>Double Sided</td></tr> </table>	S	Single Sided	D	Double Sided	<p><b>Crossmembers</b></p> <table border="1"> <tr><td>01</td><td>06</td></tr> <tr><td>02</td><td>07</td></tr> <tr><td>03</td><td>08</td></tr> <tr><td>04</td><td>09</td></tr> <tr><td>05</td><td>10</td></tr> </table>	01	06	02	07	03	08	04	09	05	10	<p><b>Roof</b></p> <table border="1"> <tr><td>R</td><td>Roof</td></tr> <tr><td>N</td><td>No Roof</td></tr> </table>	R	Roof	N	No Roof	<p><b>Feet</b></p> <table border="1"> <tr><td>P</td><td>Plate</td></tr> <tr><td>C</td><td>Channel</td></tr> </table>	P	Plate	C	Channel	<p><b>Finish</b></p> <table border="1"> <tr><td>N</td><td>Natural</td></tr> <tr><td>G</td><td>Galvanized</td></tr> <tr><td>P</td><td>Painted</td></tr> <tr><td>B</td><td>Galvanized &amp; Painted</td></tr> </table>	N	Natural	G	Galvanized	P	Painted	B	Galvanized & Painted
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# Modular Switchcracks

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Customer: \_\_\_\_\_

Project: \_\_\_\_\_

Prepared By: \_\_\_\_\_

Quotation For:  Estimate/Budget

Quotation Required By (Date) \_\_\_\_\_

Is a current copy of plant STDS/SPECS available

Engineering Firm: \_\_\_\_\_

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Bid  Immediate Buy

Material Required By (Date) \_\_\_\_\_

## Area Classification:

**HAZARDOUS** - Circle All That Apply

- Class I  
Div. 1 or 2, Grps B,C & D
- Class II  
Div. 1 or 2, Grps E,F & G
- Class III

**NON-HAZARDOUS**

- Ordinary Locations
- NEMA 3R, 4, 4X (Circle One)

## Structural Frame:

**MATERIAL**

- Steel
- Aluminum
- Single Face  
(Components on ONE side only)

**FINISH**

- Hot Dip Galvanized
- Painted

- Double Face  
(Components on BOTH sides)

PE Stamp required  Yes  No

State of PE Stamp required \_\_\_\_\_

Windspeed Rating \_\_\_\_\_

Seismic or other ratings \_\_\_\_\_

Other \_\_\_\_\_

Percent Spare Space \_\_\_\_\_ %

## Roof Canopy:

- Yes  No
- Corrugated Aluminum
- Corrugated Fiberglass

## Enclosure Type:

- Bolted  Threaded
- Krydon  Epoxy Coated

## Dimension Restrictions:

Length \_\_\_\_\_  Height \_\_\_\_\_

## Service System: (i.e. 480V, 3PH, 3W, 60HZ)

\_\_\_\_\_ VOLT \_\_\_\_\_ PH \_\_\_\_\_ W \_\_\_\_\_ HZ

## Incoming Feeder Requirements:

\_\_\_\_\_ # Conductors/Phase  
 \_\_\_\_\_ # AWG/MCM  
 \_\_\_\_\_ # Inch Conduit (Size)

Top Entry  Bottom Entry

## Main Bus Enclosure:

**MATERIALS**

- Steel
- Aluminum
- Other (Specify)
- Bus Location - Top of Rack
- Bus Location Bottom of Rack
- Bus Bracing \_\_\_\_\_ (25 KAIC Standard)
- Bus Amps \_\_\_\_\_
- Other - Customer to Specify

**FINISH**

- Hot Dip Galv.
- Painted

**MAIN BUS CHARACTERISTICS**

- Copper Bars
- Bare (Standard)  Power Distr. Block
- Insulated  Ground Bus in Enclosure
- Silver Plated
- Tin Plated



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## Main Breaker/Disconnect: (3C,N)

None  Molded Case Breaker

AIC Rating \_\_\_\_\_

Amp Trip (AT)/ \_\_\_\_\_ Amp Frame (AF) \_\_\_\_\_

Disconnect Switch \_\_\_\_\_ Amps

Fused  Non-Fused

## Equipment Requirements:

### COMBINATION MOTOR STARTERS (1C, N)

FVNR, Reversing, 2-Speed (circle one)  
Qty.

\_\_\_\_\_ NEMA Size 0 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 1 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 2 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 3 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 4 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 5 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

\_\_\_\_\_ NEMA Size 6 With \_\_\_\_\_ AT/ \_\_\_\_\_ AF, \_\_\_\_\_ MCP

Refer to Eaton's Crouse-Hinds catalog for suggested breaker or motor circuit protector sizing if not specified above, Eaton's Crouse-Hinds will size accordingly.

### OPTIONS REQUIRED

\*Unless specified differently \*options furnished standard

	Yes	No
*Fused Control Transformer Suffix FTFS	_____	_____
Space Heaters Suffix R11, R22, R44	_____	_____
Start/Stop Pushbuttons Suffix PB23	_____	_____
Hand-Off Auto Selection Switch Suffix RR3	_____	_____
Red Indicating Light Suffix J1	_____	_____
Green Indicating Light Suffix J3	_____	_____
*Auxiliary Contacts: (2 N.O./2NC) Suffix S782	_____	_____
Control Relay Suffix S787	_____	_____
*Breather/Drain Suffix S198V/S756V	_____	_____
*12 Point Terminal Block Other - Specify Suffix S786	_____	_____

## Feeder Circuit Breaker: (3C, N)

AIC Rating \_\_\_\_\_

Qty	(AT)	(Specify)
_____	_____	/100/150 AF
_____	_____	/100/150 AF
_____	_____	/225/250 AF
_____	_____	/400 AF
_____	_____	/800 AF
_____	_____	Other

## Component Preference:

Cutler-Hammer  SQD  A-B  GE

(Cutler-Hammer will be used if no preference is indicated.)

## Distribution Transformers:

\_\_\_\_\_ KVA \_\_\_\_\_ PH \_\_\_\_\_ Volt-Pri \_\_\_\_\_ / \_\_\_\_\_ Volt-Sec

\_\_\_\_\_ KVA \_\_\_\_\_ PH \_\_\_\_\_ Volt-Pri \_\_\_\_\_ / \_\_\_\_\_ Volt-Sec

Copper Windings  Stainless Steel Enclosure

## Panelboards: (1A, N)

### Power (480V) (D2D EXD)

Single Phase  Three Phase

Main Breaker \_\_\_\_\_ Pole \_\_\_\_\_ AT

Branch Circuits

Qty	AT	No. Poles (i.e. '2P'-2 = Pole)
_____	_____	_____
_____	_____	_____
_____	_____	_____

### LIGHTING/HEAT TRACING

(240/120V) (D2L, EPL, D2PB)

Single Phase  Three Phase

Main Breaker \_\_\_\_\_ Pole \_\_\_\_\_ AT

Branch Circuits

Qty	(AT)	No. Poles (i.e. '2P'=2 Pole)
_____	_____	_____
_____	_____	_____
_____	_____	_____

‡ GFI (5mA) \_\_\_\_\_ AMP Rating \_\_\_\_\_

(No. Req'd) \_\_\_\_\_

‡ EPD (30mA) \_\_\_\_\_ AMP Rating \_\_\_\_\_

(No. Req'd) \_\_\_\_\_