

# Rittal – The System.

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## ▶ TS 8 disconnect freestanding enclosure Safety made Simple



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# Flange Mount Disconnect TS8 Enclosures

Product introduction



**Safety  
made simple**

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# Flange Mount Disconnect TS8 Enclosures

## New Features and Benefits

- Flexible and adaptable
  - Adapter plates that can easily be swapped in the field
  - cutting the enclosure in the field no longer required
  - Universal cutouts (low amperage and high amperage solutions) that fits most commercially available operator handles
  - Non disconnect conversions with blank adapter plate
- Easy to install
  - Simplified handle interlocking hardware
  - Less installation steps
- Reduced width flange door
  - 125mm wide
  - Increased rigidity
  - Better usability of panel mounting space
- Padlockable comfort handle with defeater function



# Flange Mount Disconnect TS8 Enclosures

Product configuration – Sizes and versions

| FMD   | SINGLE DOOR |       | DOUBLE DOOR |       |
|-------|-------------|-------|-------------|-------|
|       | 800W        | 1000W | 1600W       | 1800W |
| 1800H | 400D        | /     | /           | /     |
|       | 500D        | 500D  | 500D        | 500D  |
| 2000H | 500D        | 500D  | 500D        | 500D  |
|       | 600D        | 600D  | 600D        | 600D  |
|       | 800D        | /     | /           | /     |
| 2200H | /           | 500D  | /           | /     |
|       | 600D        | /     | /           | /     |



# Flange Mount Disconnect TS8 Enclosures

Compatible with most commercially available operator handles

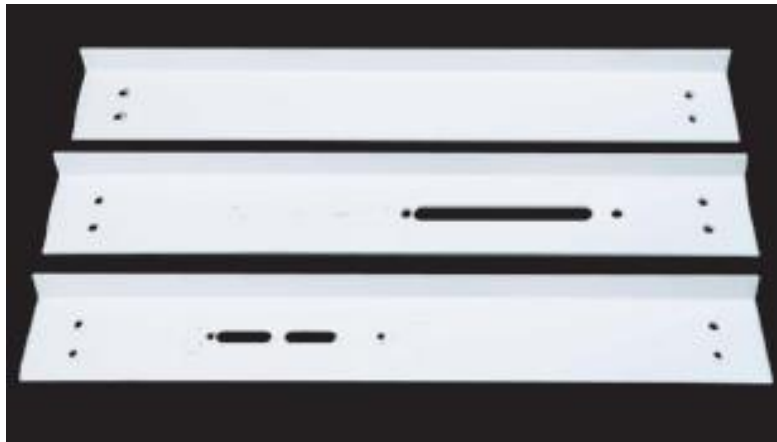




# Flange Mount Disconnect TS8 Enclosures

## Simple and easy modifications in the field - Adapter Plates

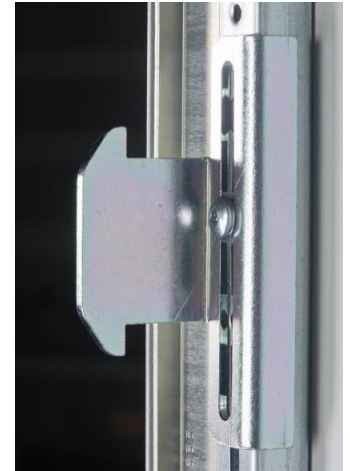
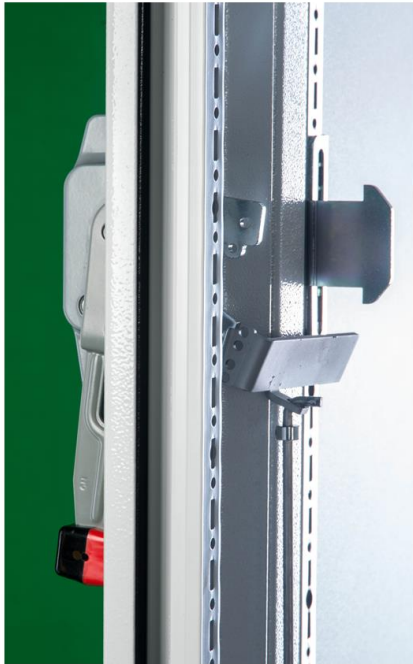
- Low amperage adapter plate (factory installed, included with all enclosures) is compatible with most commercially available disconnect switches up to 200A and circuit breaker operating mechanisms up to 400A
- Optional high amperage adapter plate available for larger systems as well as blank adapter plates for non-disconnect conversions
- Simple field installation with four M6 nuts
- UL Type 12 rating, foam in place gasket on the front



# Flange Mount Disconnect TS8 Enclosures

Simplified interconnect hardware – Defeater Lever and Door Catch

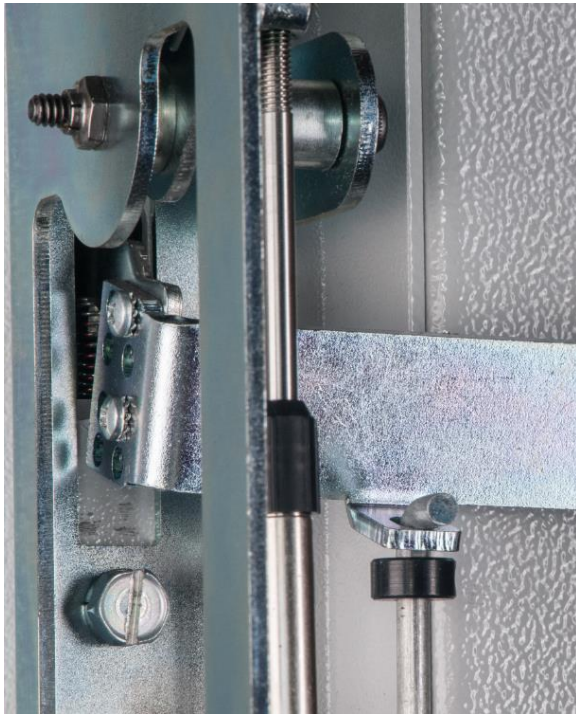
- Provides safety locking between operator handle, enclosure and door
- Universal defeater lever for use with all major operator handles
- Simple connection of operator handle with only two screws installed with flange door open
- Adjustable, factory pre-installed door catch



# Flange Mount Disconnect TS8 Enclosures

Simplified interconnect hardware – Connecting Rod with Collets

- Easy installation with flange door open
- Connects the defeater lever to the activator bracket
- Provides simple adjustment for the adapter plate and operator handle
- Collets tightened with provided 1.5mm hex key

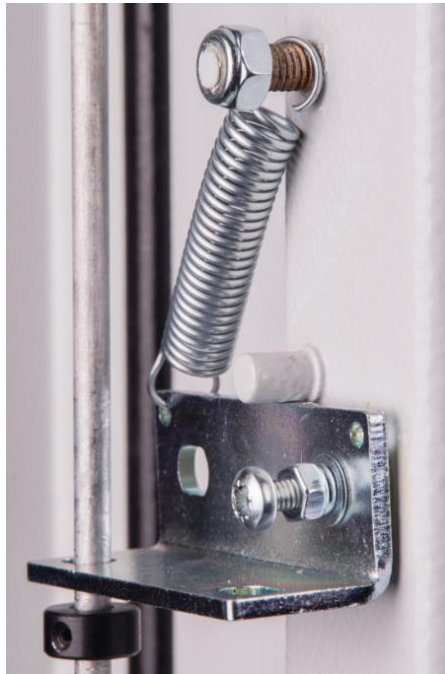




# Flange Mount Disconnect TS8 Enclosures

## Simplified interconnect hardware – Activator Bracket

- Factory installed
- Synchronizes the enclosure door latch with the operator handle
- Simple and reliable design concept
- Allows the system to be powered when the door is latched as well as lock the door in the event the door is unlatched



# Flange Mount Disconnect TS8 Enclosures

## Enhanced security – Ride-Up Roller

- Factory installed
- Helps maintaining proper defeater lever and door catch alignment on even and un-even surfaces
- Provides additional stability during transportation



# Flange Mount Disconnect TS8 Enclosures

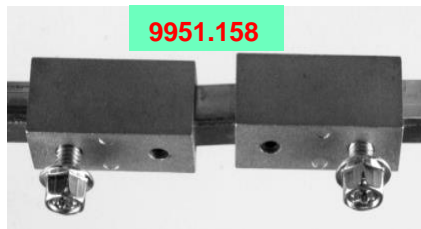
## Cross reference chart

|                 | FMD Part Number | Previous version cross reference | Dimensions HxWxD | Sidewalls Part number | Mounting Panel (included) HxW | 4" (100mm) high flex block plinths Part numbers |          |          | 4" (100mm) high plinths Part numbers |          |
|-----------------|-----------------|----------------------------------|------------------|-----------------------|-------------------------------|---|----------|----------|--------------------------------------|----------|
|                 |                 |                                  | mm               | pair                  | mm                            | front & rear                                    | sides    | corners  | front & rear                         | sides    |
| Single Door     | <b>9951.134</b> | <b>8984.500</b>                  | 1800x0800x0400   | 8184.235              | 1696x0699                     | 8100.800  | 8100.400 | 8100.000 | 8601.800                             | 8601.040 |
|                 | <b>9951.135</b> | <b>8985.500</b>                  | 1800x0800x0500   | 8185.235              | 1696x0699                     | 8100.800  | 8100.500 | 8100.000 | 8601.800                             | 8601.050 |
|                 | <b>9951.136</b> | <b>8980.500</b>                  | 1800x1000x0500   | 8185.235              | 1696x0899                     | 8100.010  | 8100.500 | 8100.000 | 8601.100                             | 8601.050 |
|                 | <b>9951.142</b> | <b>8905.500</b>                  | 2000x0800x0500   | 8105.235              | 1896x0699                     | 8100.800  | 8100.500 | 8100.000 | 8601.800                             | 8601.050 |
|                 | <b>9951.143</b> | <b>8906.500</b>                  | 2000x0800x0600   | 8106.235              | 1896x0699                     | 8100.800  | 8100.600 | 8100.000 | 8601.800                             | 8601.060 |
|                 | <b>9951.144</b> | <b>8908.500</b>                  | 2000x0800x0800   | 8108.235              | 1896x0699                     | 8100.800  | 8100.800 | 8100.000 | 8601.800                             | 8601.080 |
|                 | <b>9951.145</b> | <b>8995.500</b>                  | 2000x1000x0500   | 8105.235              | 1896x0899                     | 8100.010  | 8100.500 | 8100.000 | 8601.100                             | 8601.050 |
|                 | <b>9951.146</b> | <b>8996.500</b>                  | 2000x1000x0600   | 8106.235              | 1896x0899                     | 8100.010  | 8100.600 | 8100.000 | 8601.100                             | 8601.060 |
|                 | <b>9951.153</b> | <b>8956.500</b>                  | 2200x0800x0600   | 8126.235              | 2096x0699                     | 8100.800  | 8100.600 | 8100.000 | 8601.800                             | 8601.060 |
| <b>9951.154</b> | <b>8958.500</b> | 2200x1000x0500                   | 8125.235         | 2096x0899             | 8100.010                      | 8100.500  | 8100.000 | 8601.100 | 8601.050                             |          |
| Double Door     | <b>9951.138</b> | <b>8901.610</b>                  | 1800x1600x0500   | 8185.235              | 1696x1499                     | 8100.160  | 8100.500 | 8100.000 | 8601.920                             | 8601.050 |
|                 | <b>9951.140</b> | <b>8901.630</b>                  | 1800x1800x0500   | 8185.235              | 1696x1699                     | 8100.180  | 8100.500 | 8100.000 | 8901.920                             | 8601.050 |
|                 | <b>9951.147</b> | <b>8901.650</b>                  | 2000x1600x0500   | 8105.235              | 1896x1499                     | 8100.160  | 8100.500 | 8100.000 | 8601.920                             | 8601.050 |
|                 | <b>9951.148</b> | <b>8901.660</b>                  | 2000x1600x0600   | 8106.235              | 1896x1499                     | 8100.160  | 8100.600 | 8100.000 | 8601.920                             | 8601.060 |
|                 | <b>9951.150</b> | <b>8901.680</b>                  | 2000x1800x0500   | 8105.235              | 1896x1699                     | 8100.180  | 8100.500 | 8100.000 | 8901.920                             | 8601.050 |
|                 | <b>9951.151</b> | <b>8901.690</b>                  | 2000x1800x0600   | 8106.235              | 1896x1699                     | 8100.180  | 8100.600 | 8100.000 | 8901.920                             | 8601.060 |

# Flange Mount Disconnect TS8 Enclosures

## Accessories

| Description  | Part Number     |
|--|-----------------|
| Low amp adapter plate (included with enclosure)        | 9951.157        |
| High amp adapter plate                                 | 9951.155        |
| Blank adapter plate                                    | 9951.159        |
| <b>Coupling for interconnecting rod</b>                | <b>9951.158</b> |
| Connecting rod replacement kit                         | 9951.160        |
| Interlock activator                                    | 4912.000        |
| Slave door interlocking kit for single door enclosures | 4911.000        |
| Slave door interlocking kit for double door enclosures | 4911.100        |
| Interlocking rods 24" (600mm)                          | 4916.000        |
| Interlocking rods 32" (800mm)                          | 4918.000        |
| Interlocking rods 47" (1200mm)                         | 4920.000        |





# Flange Mount Disconnect TS8 Enclosures

## Safety made simple!



FREE-STAND UNIVERSAL-CUTOUT DISCONNECTS FREE-STAND TYPE 12 DISCONNECTS

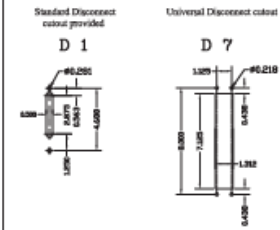
### HEAVY-DUTY FREE-STAND DISCONNECT ENCLOSURE, TYPE 12

#### HEAVY DUTY FREE-STANDING ENCLOSURES FOR FLANGE-MOUNTED DISCONNECTS TWO-DOOR ENCLOSURES

| ENCLOSURE PRODUCT CODE A2             |            |           |           |                   | SUB-PANEL (PS) |                |                  |                 |            |
|---------------------------------------|------------|-----------|-----------|-------------------|----------------|----------------|------------------|-----------------|------------|
| Catalog No.                           | Height (A) | Width (B) | Depth (C) | Industry Standard | List Price     | Catalog No.    | Panel Height (D) | Panel Width (E) | List Price |
| SCE-720M5418                          | 72.00      | 53.75     | 18.00     | IS4               | 2,748.19       | SCE-64P52**    | 60.00            | 48.00           | Included   |
| SCE-720M6618                          | 72.00      | 65.75     | 18.00     | IS3               | 3,096.93       | SCE-64P64**    | 60.00            | 60.00           | Included   |
| SCE-720M7818                          | 72.00      | 77.75     | 18.00     | IS3               | 3,444.49       | SCE-64P76**    | 60.00            | 72.00           | Included   |
| SCE-720M7824                          | 72.00      | 77.75     | 24.00     | IS3               | 3,691.72       | SCE-64P76**    | 60.00            | 72.00           | Included   |
| SCE-840M7818                          | 84.00      | 77.75     | 18.00     | IS3               | 3,823.10       | SCE-76P76**    | 72.00            | 72.00           | Included   |
| SCE-840M7824                          | 84.00      | 77.75     | 24.00     | IS3               | 3,870.87       | SCE-76P76**    | 72.00            | 72.00           | Included   |
| SCE-900M7818                          | 90.00      | 77.75     | 18.00     | IS3               | 4,082.27       | SCE-82P76**    | 78.00            | 72.00           | Included   |
| SCE-900M7824                          | 90.00      | 77.75     | 24.00     | IS3               | 4,284.12       | SCE-82P76**    | 78.00            | 72.00           | Included   |
| <b>Galvanized Sub-Panel Installed</b> |            |           |           |                   |                |                |                  |                 |            |
| SCE-720M6618G                         | 72.00      | 65.75     | 18.00     | IS3               | 3,220.91       | SCE-64P64GAL** | 60.00            | 60.00           | Included   |
| SCE-840M7818G                         | 84.00      | 77.75     | 18.00     | IS3               | 3,934.93       | SCE-76P76GAL** | 72.00            | 72.00           | Included   |

#### XM ENCLOSURES

\* Add the letter U to the end of the part number for enclosures with a universal disconnect cutout.



\*\*Sub-panel included with enclosure. Replacement sub-panels can be ordered. Prices found in the accessory section.

Available within 10 working days if not in stock



SCE SAHJAN CORP. L. PHONE (989) 799-5871 FAX (989) 799-4524

#### Heavy Duty Free-Standing Enclosures For Flange-Mounted Disconnects

**Application -**  
Designed to house most standard type disconnects. For installation information, consult our Installation Manual at www.saginawcontrol.com.

**Construction -**  
• 0.125" carbon steel.  
• Seams continuously welded and ground smooth.  
• Flange trough collar around all sides of door opening.

• Body stiffeners in large enclosures for extra rigidity.  
• Heavy duty lifting eyes anchor into reinforced top.  
• Removable center posts permit easy sub-panel installation.  
• Concealed hinges.  
• Black zinc die cast composit/padlocking handle on main door with black zinc die cast padlocking handle on slave doors.  
• 3-point latching mechanism.  
• Ends of latch rods have ramp shoes for easier door closing.  
• Panel supports.  
• Large removable print pockets.  
• Oil-resistant gasket.  
• Removable sub-panels mount on collar studs.  
• Master door is far right-hand door on all enclosures.  
• Defeater on master door requires a screwdriver to open.  
• Mechanical interlock activated by master door prevents slave doors from being opened first. Doors can be closed in any order.  
• Ground stud on door.  
Disconnect switch (or circuit breaker) and operating mechanism are not furnished with enclosure.

**Finish -**  
ANSI-61 gray powder coated inside and out. Sub-panels are powder coated white.

**IS3 - Industry Standards -**  
NEMA Type 3R, 12 & Type 13  
UL Listed Type 3R & 12  
CSA Type 3R & 12  
IEC 60529 IP 55

**IS4 - Industry Standards -**  
NEMA Type 3R, 4, 12 & Type 13  
UL Listed Type 3R, 4 & 12  
CSA Type 3R, 4 & 12  
IEC 60529 IP 56

\*\*\*\*Special instructions apply for IS3, IS4 and IS6 to maintain the environmental rating of Type 3R for these parts. See the Special Instructions on the Industry Standards page in the Technical Information Section.



#### APPLICATION

Simple, heavy-duty and cost-effective, this disconnect enclosure can be ordered with one to six doors to fit a range of applications.

#### SPECIFICATIONS

- .121-in. steel
- Seams continuously welded and ground smooth
- Body stiffeners in larger enclosures for extra rigidity
- Body flange trough excludes liquids and contaminants
- Heavy-duty lifting eyes anchor into reinforced top
- Removable centerposts permit easy panel installation
- Concealed, easy-to-remove hinges
- Heavy-duty 3-point latching mechanism operated by padlocking handle on all doors
- Ends of latch rods have rollers for easier door closing
- Panel supports
- Data pocket is high-impact thermoplastic
- Oil-resistant gasket
- Master door is far right-hand door on all enclosures
- Defeater on primary door requires a screwdriver to open
- Mechanical interlock activated by master door prevents slave doors from being opened first; doors can be closed in any order
- Universal cutout on right flange provides mounting for most disconnect operators by using operator adapters
- Models available with panel included or panel sold separately
- FTC models include removable painted 10 gauge steel panels which mount on collar studs
- Includes door hardware

• Mechanical interlock activated by master door prevents slave doors from being opened first. Doors can be closed in any order.

Safe solution according UL508A where slave door must be closed before energizing only offered by Rittal!



# Flange Mount Disconnect TS8 Enclosures

## Summary – Safety made simple

- Simplified operator handle installation with fewer components
- Easy modification from low amperage to high amperage operator handles
- Slimmer flange door providing more rigidity
- Padlocking comfort handle included
- Same door to door overhead interlock, still the only completely safe solution on the market!

**CONVERT TO OUR NEW SYSTEM NOW!**



Thank you.

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