



# METAL ENCLOSED LOAD INTERRUPTER SWITCHGEAR

Metal Enclosed, Load
Interrupter switchgear; typical
application for primary or
secondary power transformer
isolation and short circuit
protection. Available in single
switch or bussed lineups.
With bussed lineups power
can be distributed to multiple
loads from a single lineup with
multiple feeder switches.

The Quick Make/Quick Break switch mechanism allows for full current load interrupting capabilities. Includes fuses for calibrated short circuit protection.

Load Interrupter switchgear is generally applied to low cycle applications and where the relaying and drawout features of Metal Clad switchgear is not required.

COMMON RATINGS					SHORT-CIRCUIT		
Rated Max RMS Voltage	Nominal ANSI Operating Voltage	Typical System Operating Voltages	Rated Withstand/ Crest Impulse	Continuos RMS Current Rating	Momentary Short Circuit kA	Momentary Short Circuit kA	Short Time Short Circuit kA
(kV)	(kV)	(kV)	Voltage (kV)	(@ 60HZ) (AMPS)	Asym	Peak	rms
4.76	4.16	2.4 4.16 4.2	60	600 1200	40 61	65 99	25 38
15	13.8	12 12.47 13.2 13.8	95	600 1200	40 61	65 99	25 38
27	27	27	125	600	40	65	25
38	34.5	34.5	150	600	40	65	25

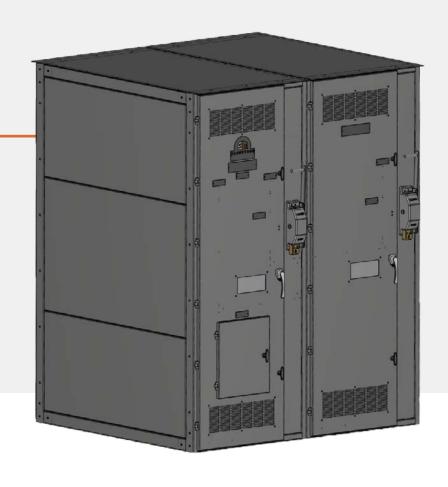


### **DUPLEX SWITCH**

Available for applications requiring selectivity of multiple incoming sources to a single load.

Fused and Non-Fused options.

Interlocking provided to prevent closure of multiple sources.



### **COMPACT OPTION:**





- ✓ 4.76 KV RATING
- ✓ 200AMP MAX RATING
- ✓ 110" H X 38" W X 38" D
- ✓ NON-FUSED AND FUSED
- UTILIZED IN LOW LOAD INDUSTRIAL AND SCHOOL APPLICATIONS.



#### **SAFETY & QUALITY FEATURES**

ESSMetron designs and manufactures with the highest quality and safety in consideration.



GROUNDED BARRIER FOR PROTECTION FROM LIVE VOLTAGES



VIEWING WINDOW TO VIEW SWITCH POSITION FOR SAFETY



DOOR INTERLOCK TO PREVENT OPENING OF EXTERIOR DOOR WITH SWITCH IN ON POSITION

PADLOCK PROVISIONS



- ✓ GROUNDING JAW GROUNDING SWITCH OPTIONS AVAILABLE
- ✓ POLYESTER POWDER COAT
- ✓ 11 GAUGE METAL
- METAL AIR FILTERS
- ✓ ISO 9001 CERTIFIED

#### TRANSITION SECTIONS

Bussed connection of metal enclosed switchgear to power transformers, motor control assemblies, metal clad switchgear, or other custom designs available.



## BUS



- ✓ COPPER BUS BAR STANDARD OFFERING.
  SILVER AND TIN PLATTING AVAILABLE
- BUS INSUALTORS OF EPOXY AND PORCELAIN AVAIALBLE
- BUS INSULATION OF EPOXY OR HEAT SHRINK AVAIALBLE
- ✓ CROSS BUS SIZES: 600 THRU 4000 AMP
- MULTIPLE BUS LOCATIONS AVAILABLE FOR MODULAR DESIGN OF MAINS, FEEDERS, AND AUXILIARY EQUIPMENT



#### **ELECTRICAL OPTIONS:**

- ✓ MOTOR OPERATED SWITCH
- ✓ AUTOMATIC TRANSFER CONTROL SCHEMES
- ✓ METERING CUSTOMER AND UTILITY
- ✓ PROTECTIVE RELAYING
- ✓ POTENTIAL TRANSFORMERS
- ✓ CONTROL POWER TRANSFORMERS
- ✓ SURGE ARRESTORS



#### **ENCLOSURE OPTIONS:**



- ✓ INDOOR ENCLOSURE
- ✓ OUTDOOR ENCLOSURE
- ✓ FRONT ACCESSIBLE AVAILABLE
- ✓ CUSTOM PAINT COLORS
- ✓ STAINLESS STEEL
- ✓ COASTAL/HIGH SALT ENVIRONMENT OPTIONS IEEE/ANSI C57.12.29

