



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 (kV)	Nominal ANSI Operating Voltage (kV)	Typical System Operating Voltages (kV)	Rated Withstand/ Crest Impulse Voltage (kV)	Continuous RMS Current Rating (@ 60HZ) (AMPS)	Momentary Short Circuit kA Asym	Momentary Short Circuit kA Peak	Short Time Short Circuit kA 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.



GROUNDING 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 PLATING AVAILABLE
- ✓ BUS INSULATORS OF EPOXY AND PORCELAIN AVAILABLE
- ✓ BUS INSULATION OF EPOXY OR HEAT SHRINK AVAILABLE
- ✓ 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