MOST

Oil-Insulated Switchgear
Wide Selection on a Narrow Budget.

COOPER Power Systems

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KYLE® MOST OIL-INSULATED SWITCHGEAR

MOST means just what it says – simple, economical, suitable for both utility and commercial/industrial applications and versatile with a wide selection of fuse ratings to make it easily adaptable to pretty much any distribution system. Get the most out of MOST.

15, 25, 35kV

Sealed Tank

Simple, Economical Operation

Low Profile

Field-Proven Components

Switching and Fusing Flexibility

Deadfront Construction

Kyle's MOST padmounted switchgear provides a simple, economical approach to switching for 15, 25, and 35kV underground systems.

MOST padmounted switchgear is versatile in application. It is suited for utility and commercial/industrial requirements, and a wide selection of fuse ratings make it easily adaptable to standardized distribution systems. MOST switchgear fits the majority of standard pads and is compatible with commonly used tools and techniques.

MOST switchgear and components are products of Cooper Power Systems, proven by years of continuous field experience.

Deadfront Construction For Added Safety

The deadfront construction of MOST padmounted switchgear offers a safety factor for utility personnel and the general public. Inside, all terminators are covered with insulating rubber. All internal parts are completely sealed in insulating oil to reduce maintenance and eliminate the problems of moisture, dirt, and wildlife commonly associated with air-insulated switchgear.

The deadfront, non-ventilated, tamper-resistant construction of low-profile MOST switchgear makes it suitable for operation in areas subject to excessive moisture, occasional flooding and blowing snow.

Durable Paint Finish

Keeping your switchgear painted in the field is important, not only because it extends the operational life of the unit, but also because customers expect you to keep equipment you install near their property looking good. With the cost of repainting, the durability of the factory finish can have a significant impact on your maintenance budget.

Painted with the most advanced coating system in the industry (similar to that used in the automotive industry), MOST Switchgear retains a like-new protective finish years after others have blistered, cracked, chalked, or rusted.

Cooper Power Systems' MOST Switchgear exceeds the requirements of ANSI C57.12.28 and C57.12.29.

Fusing

The Cooper type ELSG full-range, current-limiting fuses provide consistent clearing of low currents, as well as reliable, high-speed interruption of high-magnitude short circuit currents.

In addition to providing excellent protective characteristics over a wide range of applications, the "E"-rated ELSG fuses have time-current characteristics that coordinate easily with other upstream and downstream protective devices.

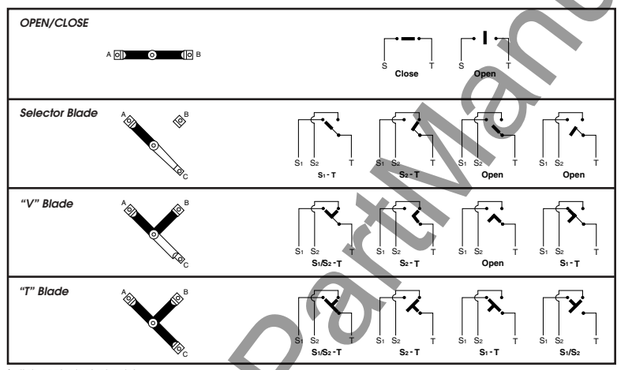
MOST Switching System

The Kyle three-phase, gang-operated loadmake/loadbreak oil sectionalizing switches used in MOST switchgear have a history of more than thirty years of successful application.

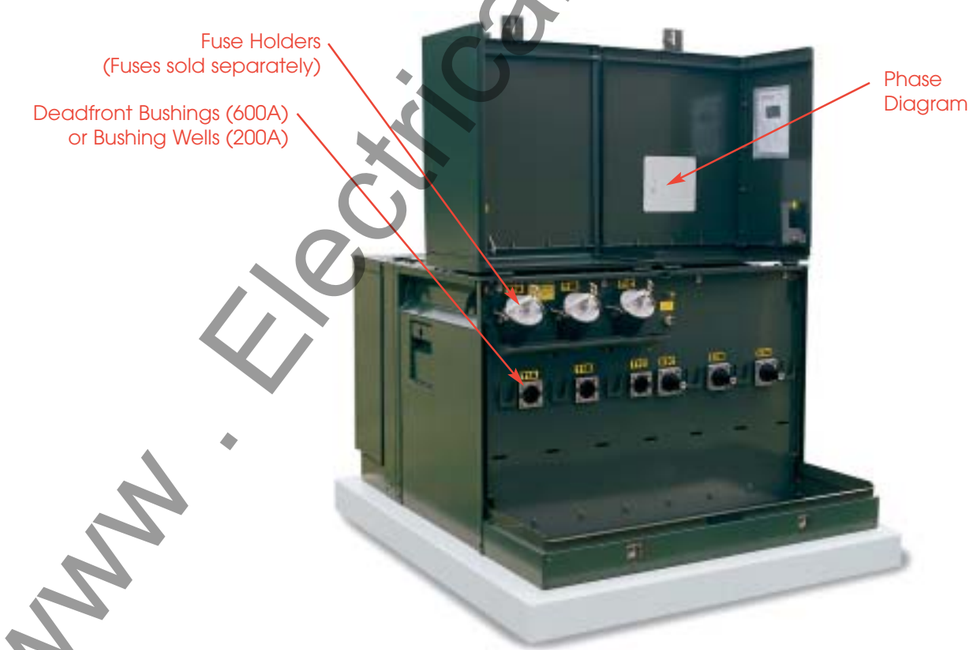
Positive position indicators assure safe operation.

The side-mounted switch can be operated by shotgun stick or an optional manually operated handle. Front-mounted switches are also available.

Four switch designs (below) are available: two-position open/close; four-position selector blade; four-position "V" blade; and four-position "T" blade. Kyle's "V" and "T" blade designs are unique in that they perform the function of three separate open/close switches. Combining multiple functions on one switch permits quicker and more reliable operation. For applications where parallel loops are required, break-before-make operation is guaranteed. When oil sectionalizing switches are used, the need for interlocks is eliminated.



Switch center is pivot point.
Black segments of blade rotate.
White segments are stationary.



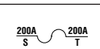
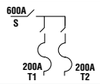
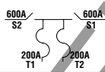
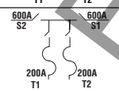
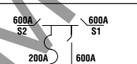
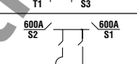
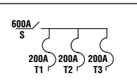
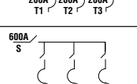
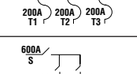
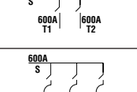
Ratings of MOST Padmounted Switchgear

Nominal Voltage	15kV	25kV	35kV
Maximum Design Voltage, kV	15.5	27	38
BIL, kV	95	125	150
1-Minute Withstand, Switch and Terminators, kV	34	40	50
Continuous Current, Amps (max.)	600	300	200*
Load Switching, Amps	600	300	200*
Momentary Current 10 Cycles, Amps (asym.)	16,000	16,000	16,000
2 Sec., Amps (sym.)	10,000	10,000	10,000
3 Shot Make and Latch Amps (asym.)	16,000	16,000	9,600
Interrupting Rating (kA) (1)	50	20 - 50	12.2 - 50

(1) Interrupting rating for fused units depends on the selected fuses and the application voltage.

* An alternate two-position OPEN-CLOSE switch is available for 15kV, 25kV and 35kV designs that has a 300A continuous and load switching rating. This alternate switch meets ANSI C37.71 and C37.72 requirements.

MOST Selection and Ordering Guide*

Model	One-Line Diagram	Voltage (kV)	Typical Catalog Number
3		15 25 35	KPMT331 KPMT334 KPMT339
4		15 25 35	KPMT433 KPMT436 KPMT339
4A		15 25 35	KPMT4A33 KPMT4A36 KPMT4A39
5		15 25 35	KPMT533 KPMT536 KPMT539
6		15 25 35	KPMT632 KPMT635 KPMT639
6B		15 25 35	KPMT6B32 KPMT6B35 KPMT6B39
7		15 25 35	KPMT732 KPMT735 KPMT739
7B		15 25 35	KPMT7B32 KPMT7B35 KPMT7B39
9		15 25 35	KPMT932 KPMT935 KPMT939
9B		15 25 35	KPMT9B32 KPMT9B35 KPMT9B39
10		15 25 35	KPMT1031 KPMT1034 KPMT1039
11		15 25 35	KPMT1132 KPMT1135 KPMT1139
11B		15 25 35	KPMT11B32 KPMT11B35 KPMT11B39
12		15 25 35	KPMT1232 KPMT1235 KPMT1239
12B		15 25 35	KPMT12B32 KPMT12B35 KPMT12B39
13A		15 25 35	KPMT13A31 KPMT13A34 KPMT13A37
15B		15 25 35	KPMT15B32 KPMT15B35 KPMT15B39

* Replace the last digit of the catalog with the appropriate digit from the Bushings Amperage Ratings table. Contact your Cooper Power Systems representative for information on configurations not listed.

Bushing Guide

Voltage Rating	Bushing Amperage Rating (Source/Tap)		
	600A/600A	600A/200A	200A/200A
15kV	1	2	3
25kV	4	5	6
35kV	7	8	9

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