



Eaton 1814449

Eaton DMV Switch-disconnector, 3p+N,
630A, with shaft and handle

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PRODUCT NAME	Eaton DMV Switch-disconnector
CATALOG NUMBER	1814449
PRODUCT LENGTH/DEPTH	370 mm
PRODUCT HEIGHT	125 mm
PRODUCT WIDTH	390 mm
PRODUCT WEIGHT	5.68 kg
CERTIFICATIONS	KEMA IEC/EN 60947-3 VDE 0660 IEC/EN 60204 RoHS EAC Lloyds IEC/EN 60947 CE

PRODUCT CATEGORY	• Main switch • Switch-disconnector
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ACTUATOR COLOR	Other
FITTED WITH:	Operating shaft and knob
POLLUTION DEGREE	3
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	12000 V
RATED PERMANENT CURRENT AT AC-21, 400 V	630 A
RATED PERMANENT CURRENT AT AC-23, 400 V	630 A
RATED UNINTERRUPTED CURRENT (IU)	630 A

ACCESSORIES	• Auxiliary contact fitted by user. • Connection materials included with supplied equipment.
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DEVICE CONSTRUCTION	Built-in device fixed built-in technique
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	36 kA, Contacts, 1 second 36 kA
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
MOUNTING POSITION	As required
ACTUATOR TYPE	Long turning handle
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-30 °C
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	17.5 W
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY	0

DECLARATIONS OF CONFORMITY

[eaton-switch-disconnector-declaration-of-conformity-uk251110en.pdf](#)

CONTACTS (NORMALLY CLOSED CONTACTS)	
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	50 kA at In = 1000 100 kA
OVERVOLTAGE CATEGORY	III
BREAKING CURRENT	65 kA (at In = 630) 70 kA (at In = 1000)
DEGREE OF PROTECTION (FRONT SIDE)	IP00
NUMBER OF POLES	Four-pole
MOUNTING METHOD	Surface mounting
DEGREE OF PROTECTION	NEMA Other
FUNCTIONS	Optional Stop Function
NUMBER OF SWITCHES	1
LIFESPAN, MECHANICAL	5,000 Operations
LET-THROUGH ENERGY	Max. 3200 kA ² s (at In = 630) Max. 4200 kA ² s (at In = 1000)
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)	5040 A
RATED BREAKING CAPACITY AT 500 V (COS PHI TO IEC 60947-3)	4600 A
RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)	3496 A
RATED INSULATION VOLTAGE (UI)	1000 V
RATED OPERATING VOLTAGE (UE) - MAX	690 V
RATED OPERATING VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-21, 400 V, 415 V	630 A
SHORT-CIRCUIT PROTECTION RATING	1000/630, Fuse, Contacts
RATED OPERATIONAL CURRENT (IE) AT AC-21, 500 V	630 A

RATED OPERATIONAL CURRENT (IE) AT AC-21, 690 V	630 A
RATED OPERATIONAL CURRENT (IE) AT AC-22, 380 V, 400 V, 415 V	630 A
RATED OPERATIONAL CURRENT (IE) AT AC-22, 500 V	630 A
RATED OPERATIONAL CURRENT (IE) AT AC-22, 690 V	630 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V	630 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V	575 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V	437 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	630 A
RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ	375 kW
RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ	425 kW
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	425 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	0 kW
TIGHTENING TORQUE	28 Nm, Screw terminals
UNINTERRUPTED CURRENT	Rated uninterrupted current I _u is specified for max. cross-section.
HOUSING MATERIAL	Plastic

