

OPERATORS - IP65

ENCLOSURES - IP65

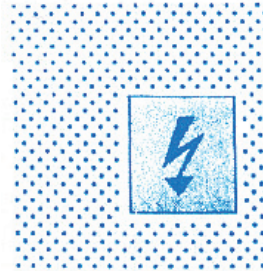
IP65 is standard with VN operator handles

NEMA / IP65

IP65 is for Industrial and Outdoor Applications and is capable of hose test water tightness.

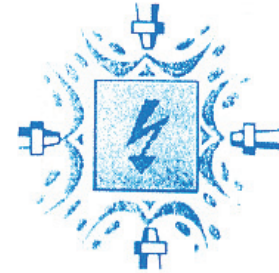
IP65 is used internationally for similar applications as NEMA 4, or 4X.

**1st Digit
6**



Complete protection against dust.

**2nd Digit
5**



Protected against water sprayed from a hose from all directions.

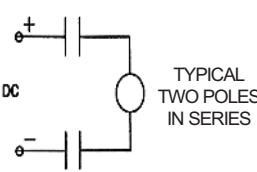
(See IP standard for exact specifications)

**CAM SWITCHES
TO 1200 AMPS**

DC Ratings

Series VN Cam Switches can be applied on DC applications, however, depending on the D.C. voltage, contacts must be wired in series for reliable DC circuit interruption. Correct cam switch selection is based on Load Current, Load DC Voltage, and Circuit Time Constant (L/R). Low D.C. voltages and resistive D.C. loads are much easier to switch than highly inductive loads and higher D.C. voltages.

The following table lists for each type VN Switch the maximum DC current allowed and the number of contacts to be connected in series for a range of voltages and for two different utilization categories (time constants). By connecting additional poles in series the switch can be used for higher voltages. This chart test load had mixed, resistive and inductive and is used for guidance.

DC Current Ratings Type VN Cam Switch									
Motor Cam Switch DC Rating. () designates number of poles in series									
			V2N	V3N	VN32	VN50	VN80	VN12	VN200
DC-23A L/R=15ms  TYPICAL TWO POLES IN SERIES	24VDC	Amp	16 (1)	25 (1)	40 (1)	50 (1)	100 (1)	125 (1)	150 (1)
	48VDC	Amp	16 (2)	25 (2)	40 (2)	50 (2)	100 (2)	125 (2)	150 (2)
	60VDC	Amp	16 (3)	25 (3)	40 (3)	50 (3)	100 (3)	125 (3)	150 (3)
	120VDC	Amp	8 (3)	12 (3)	20 (3)	25 (3)	40 (3)	50 (3)	60 (3)
	240VDC	Amp	8 (5)	10 (5)	16 (6)	20 (6)	-	-	-
DC-13 Control Switch Rating L/R=50ms Rated Current I _e Voltage per contact connected in series	Amp		10	20	25	-	-	-	-
	Volt		32	32	24	-	-	-	-