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NAFSA - VM/ND SERIES

VM50/ND
VM50/ND 24Vdc



- Magnetic holding under no power
- Class Y winding (90ºC)
- Up to 40% duty cycle
- Up to 2254N force
- Customer specific version available

PRODUCT DESCRIPTION

The VM/ND series holds without power due to a permanent magnet.

When the voltage is applied, the holding force is removed.

Please ensure safe operating conditions are met when using this type of holding electromagnet.

TECHNICAL DATA

Duty cycle	15 %
Insulation class	Y (90ºC)
IP class	IP65
Minimum impulse time for voltage to release	120 ms
Power	48 W
Total weight	450 g
Voltage dc max	24 V
Voltage type	DC

TYPE	P (W)	ED (%)	Minimum pulse (ms)	Resting time (ms)	E (mm)	Air gap (mm) δL 0	0,2	0,5	Magnetic force Fm (N)
VM20/ND	10	20	24	180	1 3 10	22 39 39	7 7 7	1,7 1,7 1,7	
VM30/ND	25	20	110	825	1 3 10	46 181 181	34 74 74	22 22 22	
VM40/ND	42	15	75	743	1 3 10	51 205 270	36 89 89	23 38 38	
VM50/ND	48	15	120	1188	1 3 10	60 304 607	41 200 225	34 95 110	
VM65/ND	80	15	225	2228	1 3 10	70 374 1220	50 340 750	40 260 400	
VM100/ND	75	25	150	1500	1 3 10	83 421 2205	61 365 1254	49 338 686	
VM150/ND	77	40	285	1070	1 3 10	78 615 2254	46 475 1490	32 401 1100	



TYPE	øA (-0,3)	B	C(±0,1)	D	E	Weight(Kg)
VM 20/ND	20	M-3	25	5	26	0.04
VM 30/ND	30	M-4	32.5	6	35.2	0.13
VM 40/ND	40	M-5	41.7	6	42.7	0.28
VM 50/ND	50	M-5	42.8	6	52.5	0.45
VM 65/ND	65	M-8	45.5	8	67	0.74
VM 100/ND	100	M-10	67	10	102	3.00
VM 150/ND	150	M-16	65	15	152	7.10