

NAFSA - VM/ND SERIES

VM20/ND

- Magnetic holding under no power
- Class Y winding (90°C)
- 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	20 %
Insulation class	Y (90°C)
IP class	IP65
Minimum impulse time for voltage to release	24 ms
Power	10 W
Total weight	40 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			Magnetic force Fm (N)
						0	0,2	0,5	
VM20/ND	10	20	24	180	1	22	7	1,7	
					3	39	7	1,7	
					10	39	7	1,7	
VM30/ND	25	20	110	825	1	46	34	22	
					3	181	74	22	
					10	181	74	22	
VM40/ND	42	15	75	743	1	51	36	23	
					3	205	89	38	
					10	270	89	38	
VM50/ND	48	15	120	1188	1	60	41	34	
					3	304	209	95	
					10	607	225	110	
VM65/ND	80	15	225	2228	1	70	50	40	
					3	374	340	260	
					10	1220	750	400	
VM100/ND	75	25	150	1500	1	83	61	49	
					3	421	395	338	
					10	2205	1254	886	
VM150/ND	77	40	285	1070	1	78	46	32	
					3	615	475	401	
					10	2254	1490	1100	



TYPE	mA (-0.3)	B	C (50.1)	D	E	Weight(kg)
VM 20/ND	20	M-3	25	5	28	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

