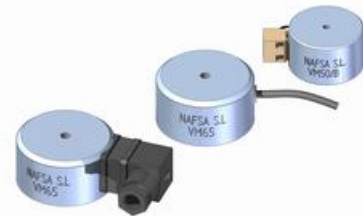


## NAFSA - VM/ND SERIES

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) $\Delta L$			Magnetic force $F_m$ (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	35	
					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	365	338	
					10	2205	1254	686	
VM150/ND	77	40	285	1070	1	78	46	32	
					3	615	475	401	
					10	2254	1490	1100	



TYPE	W (A (-0,3))	B	C (±0,1)	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

