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NAFSA - VM SERIES

VM100



- Magnetic holding under no power
- Class B winding (130ºC)
- 100% duty cycle
- Up to 2000N force
- Customer specific version available

PRODUCT DESCRIPTION

The VM series holds under no power through use of a permanent magnet.

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

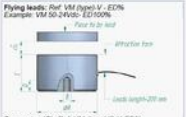
Please ensure safe operating conditions are met when using this type of holding electromagnet.

TECHNICAL DATA

Duty cycle	100 %
Insulation class	B(130ºC)
IP class	IP65
Power	25 W
Total weight	2200 g
Voltage dc max	24 V
Voltage type	DC

TYPE	P at 20ºC (W)	Thickness of the piece to hold (mm)	Air gap (mm) δ_L			
			0	0.1	0.2	
VM20	2.6	1 3 10	18 18 18	5 5 5	1 1 1	Magnetic Force Fm (N)
VM25	4.3	1 3 10	20 23 29	7 7 10	3 4 7	
VM30	4.5	1 3 10	24 45 52	10 10 14	5 6 7	
VM40	7	1 3 10	39 108 128	29 57 58	22 29 37	
VM50	10	1 3 10	43 129 226	30 110 125	28 75 80	
VM65	14	1 3 10	44 268 374	35 203 238	25 140 145	
VM80	18	1 3 10	44 294 588	35 267 362	25 217 256	
VM100	25	1 3 10	45 299 1000	35 282 745	25 262 519	
VM150	45	1 3 10	93 415 2000	75 350 1500	60 320 1300	

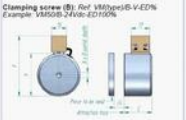
Flying leads: *Ref. VM (type)-V - ED%*
Example: VM 50-24Vdc- ED100%



Connector (C): *Ref. VM (type)/C-V-ED%*
Example: VM65/C- 24Vdc ED100%
Connection:
see documentation that is enclosed with the material



Clamping screw (B): *Ref. VM(type)/B-V-ED%*
Example: VM50/B- 24Vdc-ED100%



Important: the clamping screw does not have to exceed measure D

TYPE	øA (-0,3)	B	C±0,1	D	E	F	Weight(Kg)
VM 20	20	M-3	25	5	—	—	0.04
VM 25	25	M-4	27	5	—	40	0.06
VM 30	30	M-4	28	5	—	45	0.17
VM 40	40	M-5	30	6	—	55	0.24
VM 50	50	M-5	35	6	—	65	0.44
VM 65	65	M-8	40	8	112	80	0.74
VM 85	80	M-8	45	8	127	95	1.42
VM 100	100	M-10	50	10	147	115	2.26
VM 150	150	M-16	65	15	197	155	6.60