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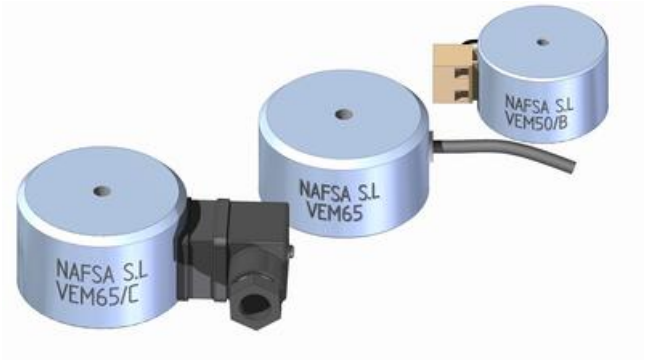
NAFSA - VEM SERIES

VEM20
VEM20



- Power to create holding force
- Class B winding (130ºC)
- 100% duty cycle
- Up to 7104N force
- Customer specific version available

PRODUCT DESCRIPTION

The VEM series holds by applying a voltage to the coil.

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

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

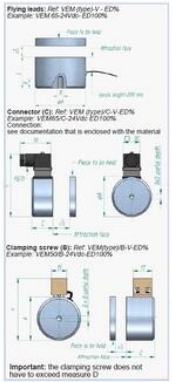
TECHNICAL DATA

Insulation class	B(130ºC)
IP class	IP65
Power	1.6 W
Total weight	20 g
Voltage dc max	24 V
Voltage type	DC

TYPE	P at 20ºC (W)	e (mm)	Air gap (mm) δ_L				
			0	0,1	0,2	0,5	1
VEM20	1,6	1 3	14,5 27	3,8 5,7	1,6 2,6	0,3 0,35	
VEM25	3,2	1 3 6	27 114 135	19 47 50	12 20 21	3 3,5 3,7	
VEM30	4	1 3 6	37 170 190	24 80 90	18 40 45	6 9,5 12	1,5 1,6 2
VEM40	5,6	1 3 6	38 300 400	30 203 245	24 133 160	13 27 30	4 4,5 5
VEM50	6,5	1 3 6	40 320 500	32 235 370	30 185 240	20 65 68	15 16 20
VEM65	10	1 3 6 10	45 310 830 980	40 290 660 750	35 250 500 560	25 148 164 190	15 40 46 50
VEM80	15	1 3 6 10	65 430 1150 2000	42 360 970 1350	40 325 830 1000	30 230 375 420	20 90 110 125
VEM100	20	1 3 6 10	70 530 1400 2600	50 440 1200 2200	45 426 1050 1700	35 335 730 880	25 225 310 330
VEM150	40	3 6 10 18	700 1810 5800 7104	580 1650 4350 5760	550 1580 3910 4992	480 1400 3000 3840	390 1100 1850 2400

Magnetic Force Fm (N)

e (mm): Thickness of the piece to hold



TYPE	øA (-0.2)	B	C±0.1	D	E	F	Weight(g)
VEM 20	20	M-3	12	5	—	—	0.02
VEM 25	25	M-4	20	6	—	40	0.06
VEM 30	30	M-4	22	6	—	45	0.10
VEM 40	40	M-5	26	8	—	55	0.20
VEM 50	50	M-5	30	8	—	60	0.30
VEM 65	65	M-8	35	12	112	80	0.80
VEM 80	80	M-8	38	12	127	95	1.30
VEM 100	100	M-10	43	15	147	115	2.10
VEM 150	150	M-16	56	24	197	165	6.40