

DEMS 65X54 - Super MSS Inductors

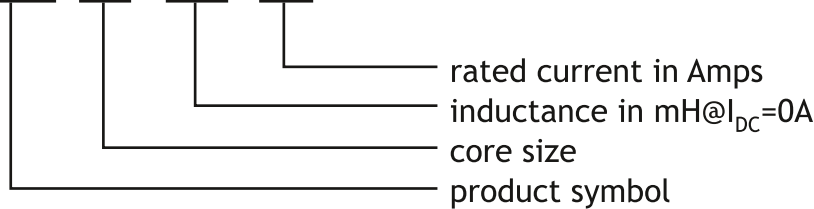


APPLICATIONS:

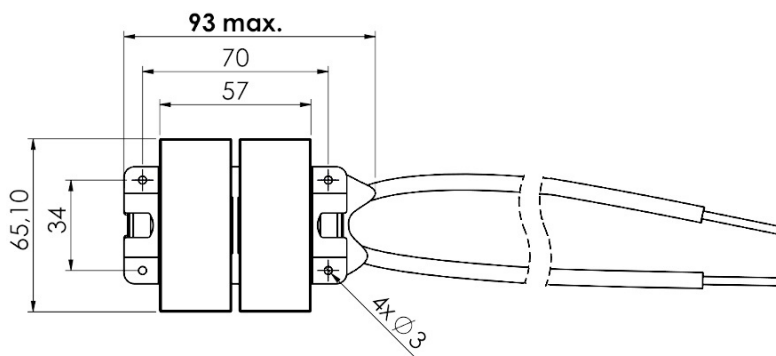
- output choke for forward, push-pull, half-bridge, full-bridge converters
- energy storage chokes (DC - 300kHz)
- AC and DC filters
- soft and slow saturation at high current

ORDERING CODE:

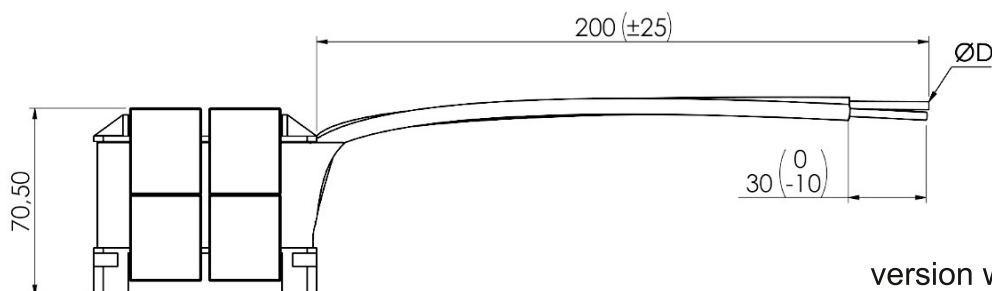
DEMS- 65X54- 6,8 / 6

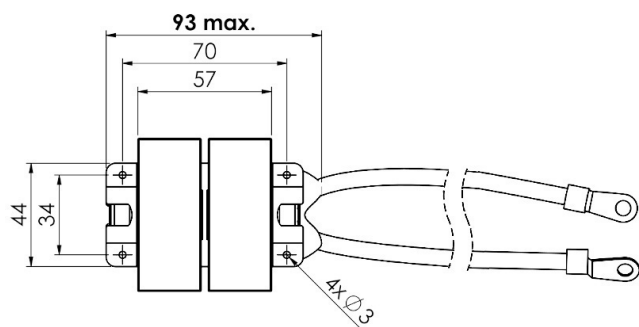


DIMENSIONS:

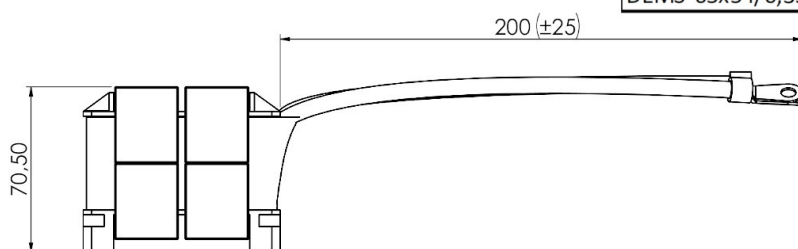


Typ	ØD [mm]
DEMS-65x54/0,47/22	4,1
DEMS-65x54/0,68/18	3,4
DEMS-65x54/1,0/15	3,4
DEMS-65x54/1,5/12	2,8
DEMS-65x54/2,2/10	2,8
DEMS-65x54/3,3/9	2,2
DEMS-65x54/4,7/8	2,2
DEMS-65x54/6,8/6	2,2

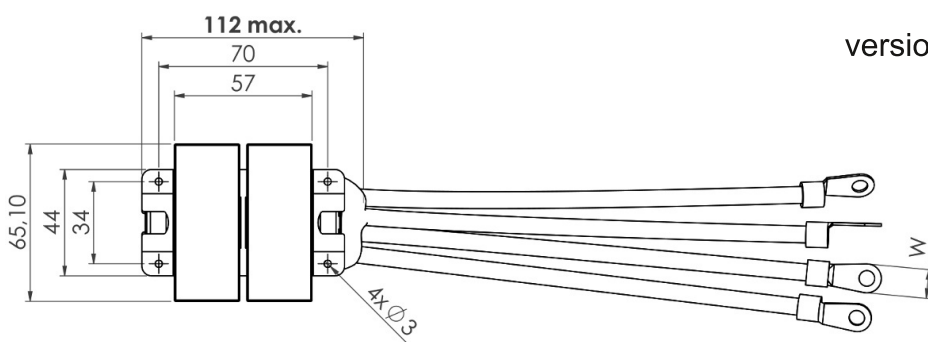




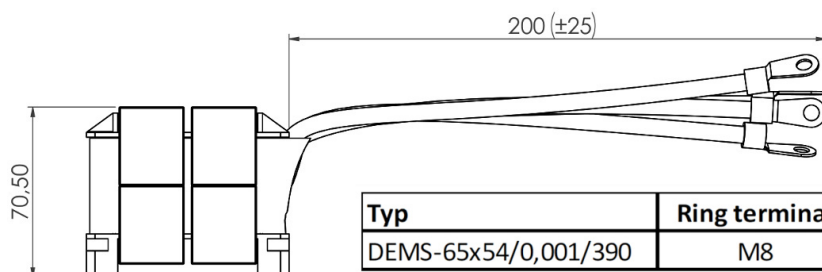
Typ	Ring terminal	W [mm]
DEMS-65x54/0,007/200	M8	18
DEMS-65x54/0,01/145	M8	16
DEMS-65x54/0,015/135	M8	16
DEMS-65x54/0,022/88	M8	14
DEMS-65x54/0,033/79	M8	14
DEMS-65x54/0,047/61	M8	14
DEMS-65x54/0,068/50	M8	14
DEMS-65x54/0,1/43	M8	14
DEMS-65x54/0,15/37	M8	14
DEMS-65x54/0,22/32	M8	14
DEMS-65x54/0,33/26	M8	14



version with ring terminal



version 2 with ring terminal



Typ	Ring terminal	W [mm]
DEMS-65x54/0,001/390	M8	18

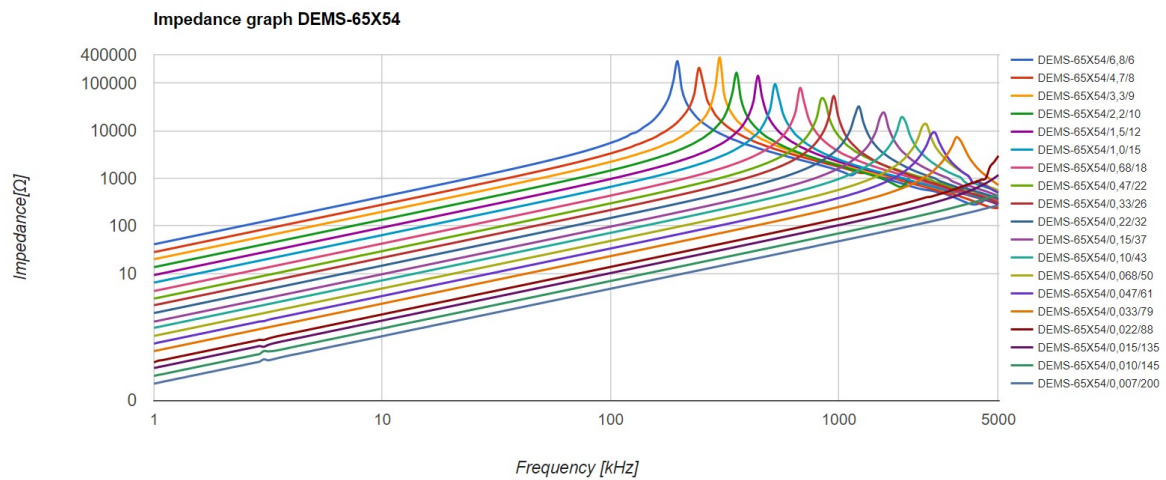
ELECTRICAL PROPERTIES:

Part number	L_{nom} [μ H]	I_{nom} [A]	RDC [Ω]	$\Delta T @ I_{nom}$ [$^{\circ}$ C]*	I_{max} [A]**
DEMS-65X54/0,007/200	7	200	0,0008	85	140
DEMS-65X54/0,010/145	10	145	0,0012	86	110
DEMS-65X54/0,015/135	15	135	0,0014	77	85
DEMS-65X54/0,022/88	22	88	0,0024	75	66
DEMS-65X54/0,033/79	33	79	0,003	84	55
DEMS-65X54/0,047/61	47	61	0,005	97	41
DEMS-65X54/0,068/50	68	50	0,006	80	36
DEMS-65X54/0,10/43	100	43	0,009	80	32
DEMS-65X54/0,15/37	150	37	0,012	78	27
DEMS-65X54/0,22/32	220	32	0,016	75	25
DEMS-65X54/0,33/26	330	26	0,021	75	19
DEMS-65X54/0,47/22	470	22	0,029	75	16
DEMS-65X54/0,68/18	680	18	0,046	75	12,5
DEMS-65X54/1,0/15	1000	15	0,061	68	11,5
DEMS-65X54/1,5/12	1500	12	0,105	90	8,0
DEMS-65X54/2,2/10	2200	10	0,128	75	7,5
DEMS-65X54/3,3/9	3300	9	0,164	96	6,0
DEMS-65X54/4,7/8	4700	8	0,251	99	5,0
DEMS-65X54/6,8/6	6800	6	0,368	75	4,5

* winding losses only.

** @ $\Delta t=40^{\circ}$ C, winding losses only.

CHARACTERISTICS:



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