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150709

Characteristics		Typ / Type	Nr./No.
		EMM-07D145-CCP/A-S	3100010
		EMM-07D145-CCP/A-S	3100011
Nominal Microphone Diameter		7	
Frequency response characteristic	incidence 0°	Freefield / Freifeld	
polarization voltage		0	
Guaranteed frequency resp., uncal	± 1dB	100 - 5.000	± 1dB
calibrated frequency response	± 1dB	10 - 20.000	± 5dB
Typ. class IEC (20Hz - 20kHz)		1	
Sensitivity (mV) @ 1kHz	mV/Pa	30	
Sensitivity (dB re 1V) @ 1kHz	dB re 1V/Pa	-27	
3dB distortion limit		dBspl 125	
Phase matching (50Hz to 5kHz)		° ± 5	
Inherent noise (A-weighted)		dBspl < 28	
Electrical			
Powering		CCPZ	
excitation voltage	V	18 ... 30	
excitation current	mA	2 ... 10	
Output Bias Voltage	V	9 ± 3	
Output Impedance		Ω < 150	
Environmental			
Storage Temperature Range		°C -25 ... 70	
Operating Temperature Range		°C -10 ... 55	
Humidity (non condensing)		% r.H. 93	
Output Signal Temperature Drift		dB < 0,7	
Physical			
housing material		Stainless Steel / Edelstahl	
Dimensions (max. diameter x length)	mm x mm	7 x 130	
Acoustic Frontend Diameter		mm 7	
Weight		g 35	
Sealing			
Output Connector			
Conformity			
		IEC 500081-1, IEC 61010-1	
Special Function/Accessories			
		30kV ESD protection	