

Type: TDG-210DG Insulation amplifiers / DC/DC amplifiers for DIN rail mounting

Technical specifications

Input:	Current	0...1mA	0.2...1mA	0...0.5...1mA	-1...0...1mA
		0...5mA	1...5mA	0...2.5...5mA	-5...0...5mA
		0...10mA	2...10mA	0...5...10mA	-10...0...10mA
		0...20mA	4...20mA	0...10...20mA	-20...0...20mA
Input:	Voltage	0...1V	0.2...1V	0...0.5...1V	-1...0...1V
		0...10V	2...10V	0...5...10V	-10...0...10V
		0...50Ω/10kΩ			
Auxiliary Voltage:		57.7-63.5-100-110-120-127-220-230-240-380-415-440V AC ±20% (6.5VA) (45...65Hz) 24-48-110-220V DC -20/+30% (3.5W) DC/DC inverter built in			
Output:	Current	(See current inputs above)			
Output:	Voltage	(See voltage inputs above)			
Accuracy:		Class 0.5% (-10...15...30...55°C) IEC 688			

Type test specifications

		Tested according to:
Insulation:	500V DC, >100MΩ	DNV, GL and LR
Vibration:	3...13.2Hz: 3 mm	Class A, DNV
	13.2-100Hz: 1.0 g	Test 1, GL and LR
Shock:	6 attempts with 15 g (in 3 directions)	IEC 68-2-27, test: Ea
Climate:	Class HSE	DIN 40040
Protection:	Case: IP53	IEC 529 and EN 60529
	Terminals: IP20	
Temperature:	-10...55°C (nominal)	DNV, GL and LR
	-25...70°C (operating)	
	-40...70°C (storage)	
Temperature drift:	Max. 0.2% per 10°C	
Test voltage:	2.5kV – 50 Hz – 1 min.	EN 61010-1
	Between input/output/aux. voltage	
EMC:	Immunity	SS4361503 – PL 4, IEC 255-4 – class 3 and EN 50082-1/2
	Emission	EN 50081-1/2

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