

Strain gage/load cell amplifier - MCR-SGA-4/6-DC - 5604058

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Signal conditioner for strain gage/load cell

Product Description

Universal strain gage/load cell amplifier. 1.25 to 12-volt adjustable excitation, 0-5 V, 0-10 V and 4-20 mA output

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356683685
Weight per Piece (excluding packing)	159.000 g
Custom tariff number	85437090
Country of origin	United States
Note	Made to Order (non-returnable)

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Dimensions

Width	22.5 mm
Height	99 mm
Depth	111 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	3300 m (Above sea level)

Input data

Description of the input	Excitation voltage
Voltage input signal	1.25 V ... 12 V
Max. input current	100 mA

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Input data

Protective circuit	Short-circuit and thermal protection
Bridge resistance	120 Ω ... 20000 Ω
Gain range	1 V ... 2000 V (10 steps)
Input range of the sensor	0.1 mV ... 200 mV

Output data

Voltage output signal	0 V ... 5 V
	0 V ... 10 V
	0 V ... 10 V
	-5 V ... 5 V
Current output signal	4 mA ... 20 mA

Power supply

Supply voltage range	11 V DC ... 30 V DC
Max. current consumption	250 mA (350 W, full bridge at 10 V Excitation)
Typical current consumption	100 mA

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27370419
eCl@ss 4.0	27200300
eCl@ss 4.1	27200300
eCl@ss 5.0	27370400
eCl@ss 5.1	27370400
eCl@ss 6.0	27370400
eCl@ss 7.0	27370419
eCl@ss 8.0	27370419
eCl@ss 9.0	27370419

ETIM

ETIM 2.0	EC001438
ETIM 3.0	EC001438
ETIM 4.0	EC001438
ETIM 5.0	EC002653
ETIM 6.0	EC001024
ETIM 7.0	EC001024

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Classifications

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121008
UNSPSC 13.2	39121708
UNSPSC 18.0	39121708
UNSPSC 19.0	39121708
UNSPSC 20.0	39121708
UNSPSC 21.0	39121708

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