

CF059 series

2023/12/06

Features



Stainless steel, and full bridge type

Rated capacity : 1.961 N {0.2 kgf} ~ 39.22 N {4 kgf}

Specification

Specification name	Specification contents
Rated capacity	1.961 N {0.2 kgf} ~ 39.220 N {4.0 kgf}
Safe overload	150 %R.C.
Ultimate overload	300 %R.C.
Rated output	2 mV/V ± 0.3 mV/V
Non-linearity	± 2 %R.O.
Hysteresis	± 2 %R.O.
Repeatability	± 2 %R.O.
Excitation, recommended	5 V or less
Excitation, maximum	12 V
Zero balance	± 10 mV/V
Input resistance	700 Ω ± 140 Ω
Output resistance	700 Ω ± 140 Ω
Insulation resistance	1.000 MΩ or more (DC50 V) (between bridge and main body)

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Temperature resistance	1,000 times or more (500 Hz) (between storage and measurement)
Temp. range, compensated	-10 °C~50 °C
Temp. range, safe	-30 °C~80 °C
Temp. effect on zero	1.0 %R.O./10 °C
Temp. effect on output	1.0 %LOAD/10 °C
Lead wire	AWG36, 300 mm directly attached, cable end is separated
Class of protection	IP00 or equivalent
Material of element	Stainless steel
Durability	1,000,000 times with rated load applied.

Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [kgf]	3D CAD files [STEP]
CF059-0.2K	1.961	0.2	CF059-0.2K.STEP
CF059-0.5K	4.902	0.5	CF059-0.5K.STEP
CF059-1K	9.805	1	CF059-1K.STEP
CF059-1.5K	14.707	1.5	CF059-1.5K.STEP
CF059-2K	19.61	2	CF059-2K.STEP
CF059-3K	29.415	3	CF059-3K.STEP
CF059-4K	39.220	4	CF059-4K.STEP