

CF054 series

2023/12/06

Features



Aluminum roberval method sensor, full bridge type

Rated capacity : 0.294 kN {30 kgf} ~ 1.961 kN {200 kgf}

Specification

Specification name	Specification contents
Rated capacity	0.294 kN{30 kgf}~1.961 kN{200 kgf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	1.23 mV/V±0.19 mV/V
Non-linearity	2.0 %R.O.
Hysteresis	2.0 %R.O.
Excitation, recommended	10 V or less
Excitation, maximum	12 V
Zero balance	±2.5 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)
Temp. range. compensated	-10 °C~50 °C

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Temp. range, safe	-30 °C~80 °C
Temp. effect on zero	1 %R.O./10 °C
Temp. effect on output	1 %LOAD/10 °C
Class of protection	IP00 or equivalent
Material of element	Alluminium alloy
Durability	1,000,000 times with rated load applied.

Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [kgf]	Cable	Cable2	Cable3	3D CAD files [STEP]
CF054-30K	0.294	30	AWG30	150 mm directly attached	cable end is separated	CF054-30K.STEP
CF054-50K	0.490	50	AWG30	150 mm directly attached	cable end is separated	CF054-50K.STEP
CF054-60K	0.588	60	AWG30	150 mm directly attached	cable end is separated	CF054-60K.STEP
CF054-100K	0.981	100	AWG30	150 mm directly attached	cable end is separated	CF054-100K.STEP
CF054-200K	1.961	200	AWG30	150 mm directly attached	cable end is separated	CF054-200K.STEP