

FSA series

2023/12/06

Features



Stainless steel. 2 type of half bridge type and full bridge type.

Rated capacity : 22.24 N {5 lb} ~ 177.9 N {40 lb}

Specification

Specification name	Specification contents
Rated capacity	22.24 N {5 lb}~177.9 N{40 lb}
Safe overload	150 %R.C.
Ultimate overload	250 %R.C.
Rated output	0.9 mV/V±0.135 mV/V~2 mV/V±0.3 mV/V (See below table)
Non-linearity	0.15 %R.O.
Hysteresis	0.15 %R.O.
Repeatability	0.05 %R.O.
Creep	0.1 %R.O./20 min
Creep recovery	0.1 %R.O./20 min
Excitation, recommended	10 V or less
Excitation, maximum	12 V
Insulation resistance	5,000 MΩ or more (DC50 V) (between bridge and main body)
Temp. range. compensated	-10 °C~50 °C

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Temp. range, safe	-40 °C~65°C
Temp. effect on zero	0.108 %R.O./10 °C
Temp. effect on output	0.36 %LOAD/10 °C
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 [lb]	Weight(Approx.) [g]	3D CAD files [STEP]	CAD files[DXF]
FSA-5L	22.24	5	0.6	FSA-5L.STEP	
FSA-10L	44.48	10	1.3	FSA-10L.STEP	fsi10k.dxf
FSA-20L	88.96	20	2.1	FSA-20L.STEP	fsa20l.dxf
FSA-40L	177.9	40	2.6	FSA-40L.STEP	fsa40l.dxf
FSA-5L-F	22.24	5	0.6	FSA-5L-F.STEP	
FSA-10L-F	44.48	10	1.3	FSA-10L-F.STEP	
FSA-20L-F	88.96	20	2.1	FSA-20L-F.STEP	
FSA-40L-F	177.9	40	2.6	FSA-40L-F.STEP	