

Double convex type compression service load cell CC010 series (General spec.)

2024/02/28

Features



Double convex mechanism. All stainless steel hermetic sealed structure.

Specification

Specification name	Specification contents
Rated capacity	4.903 kN {500 kgf}~490.3 kN{50 tf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V±0.002 mV/V
Accuracy	0.04 %R.O. (Including non-linearity, hysteresis and repeatability)
Creep	0.03 %R.O./30 min
Creep recovery	0.03 %R.O./30 min
Excitation, recommended	12 V or less
Excitation, maximum	20 V
Zero balance	±0.02 mV/V
Input resistance	693 Ω ~ 707 Ω
Output resistance	695 Ω ~ 705 Ω
Insulation resistance	5 000 MΩ or more (DC50 V)(between bridge and main body)
Temp. range, compensated	- 10 °C~50 °C
Temp. range, safe	- 20 °C~70 °C
Temp. effect on zero	0.028 %R.O./10 °C
Temp. effect on output	0.03 %LOAD/10 °C
Class of protection	IP68 or equivalent
Material of element	Stainless steel

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Table of P/N

Parts No.	Rated capacity [kN]	Rated capacity [kgf]	Rated capacity [tf]	Natural frequency [Hz]	Rated displacement [mm]	Weight(Approx.) [kg]
CC010-500K	4.903	500		5400	0.9	5
CC010-1T	9.807		1	9400	0.6	5
CC010-2T	19.61		2	6800	0.6	5
CC010-3T	29.42		3	8100	0.6	5
CC010-5T	49.03		5	6100	0.6	5
CC010-10T	98.07		10	2000	0.13	5
CC010-20T	196.1		20	2700	0.15	5
CC010-30T	294.2		30	3100	0.16	5
CC010-50T	490.3		50	3400	0.19	5

Parts No.	Cable	3D CAD files [STEP]	CAD files[DXF]	Specification sheet	Instruction Manual
CC010-500K	φ7.0, 4-cores shielded 5 m cable directly attached, cable end is separated	CC010-500K~1T.zip	cc010_500k.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-1T	φ7.0, 4-cores shielded 5 m cable directly attached, cable end is separated	CC010-500K~1T.zip	cc010_500k.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-2T	φ7.0, 4-cores shielded 5 m cable directly attached, cable end is separated	CC010-2T~3T.zip	cc010_2t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-3T	φ7.0, 4-cores shielded 5 m cable directly attached, cable end is separated	CC010-2T~3T.zip	cc010_2t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-5T	φ7.0, 4-cores shielded 10 m cable directly attached, cable end is separated	CC010-5T.zip	cc010_5t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-10T	φ7.0, 4-cores shielded 10 m cable directly attached, cable end is separated	CC010-10T~30T.zip	cc010_10t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-20T	φ7.0, 4-cores shielded 10 m cable directly attached, cable end is separated	CC010-10T~30T.zip	cc010_10t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
CC010-30T	φ7.0, 4-cores shielded 10 m cable directly attached, cable end is separated	CC010-10T~30T.zip	cc010_10t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf

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CC010-50T	φ7.0, 4-cores shielded 10 m cable directly attached, cable end is separated	CC010-50T.zip	cc010_50t.dxf	No.KT52123-2	ENKT60387-1_CC010.pdf
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Options

<Bearing plate>

[AIC series AIC1](#)

<Mounting plate>

[AIC series AIC1](#)

<Mounting attachment with slide-stop mechanism>

[Flexible stop method mounting attachment FCACC010-*B \(S\) series](#)

[Check rod method mounting attachment CCACC010-*B \(S\)](#)