

Low profile shear-web type CWV1-~~※~~ series

2024/02/28

Features



Shear-web type structure and strong in lateral load.

Specification

Specification name	Specification contents
Rated capacity	19.61 kN {2 tf}~980.7 kN {100 tf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	3 mV/V±0.006 mV/V
Non-linearity	0.05 %R.O. (CWV1-50T~100T : 0.1 %R.O.)
Hysteresis	0.1 %R.O. (CWV1-50T~100T : 0.15 %R.O.)
Repeatability	0.02 %R.O. (CWV1-50T~100T : 0.05 %R.O.)
Excitation, recommended	12 V or less
Excitation, maximum	20 V
Zero balance	±0.03 mV/V
Input resistance	350 Ω±3.5 Ω
Output resistance	350 Ω±5 Ω
Insulation resistance	2,000 MΩ or more (DC50 V) (between bridge and main body)
Temp. range, compensated	-10 °C~70 °C
Temp. range, safe	-20 °C~80 °C
Temp. effect on zero	0.03 %R.O./10 °C
Temp. effect on output	0.03 %LOAD/10 °C
Class of protection	IP64 or equivalent
Material of element	Alloy steel

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Durability	1,000,000 times with rated load applied.
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Table of P/N

Parts No.	Rated capacity [kN]	Rated capacity [tf]	Natural frequency [Hz]	Rated displacement [mm]	Weight(Approx.) [kg]	Cable
CWV1-2T	19.61	2	4900	0.05	3.1	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.
CWV1-5T	49.03	5	6500	0.05	4	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.
CWV1-10T	98.07	10	6300	0.05	6.4	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.
CWV1-20T	196.1	20	4800	0.05	15.5	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.
CWV1-50T	490.3	50	5400	0.05	29	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.
CWV1-100T	980.7	100	3400	0.09	74	φ10, 4 -cores shielded 3 m cable directly attached,Y-type crimp terminal lugs are attached at cable end.

Parts No.	3D CAD files [STEP]	CAD files[DXF]	Specification sheet	Instruction Manual
CWV1-2T	CWV1-2T.zip	cww1_2t.dxf	No.KT53644-2	ENKT60251-1-H.pdf
CWV1-5T	CWV1-5T.zip	cww1_5t.dxf	No.KT53644-2	ENKT60251-1-H.pdf
CWV1-10T	CWV1-10T.zip	cww1_10t.dxf	No.KT53644-2	ENKT60251-1-H.pdf
CWV1-20T	CWV1-20T.zip	cww1_20t.dxf	No.KT53644-2	ENKT60251-1-H.pdf
CWV1-50T	CWV1-50T.zip	cww1_50t.dxf	No.KT53644-2	ENKT60251-1-H.pdf
CWV1-100T	CWV1-100T.zip	cww1_100t.dxf	No.KT53644-2	ENKT60251-1-H.pdf

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Options

<Bearing plate>

[BP/MP series BPMP2](#)

<Mounting plate>

[BP/MP series BPMP2](#)