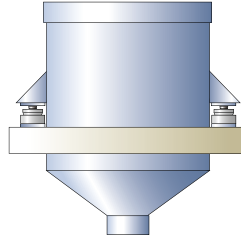


RTN LASER WELDED HERMETIC STRUCTURE

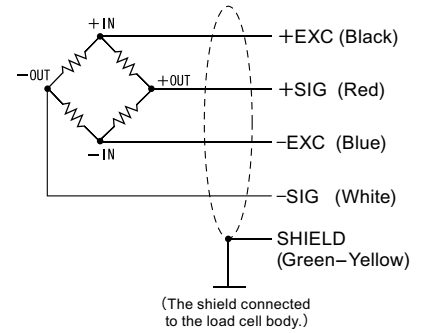


IP68

● Application example



● Wiring diagram

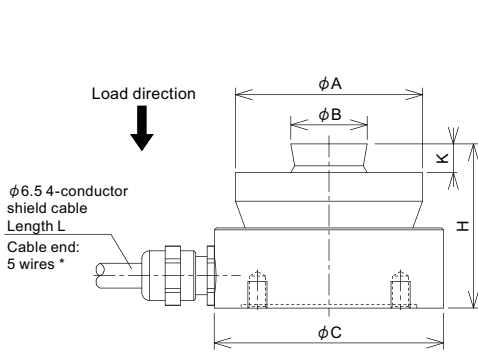


Specifications

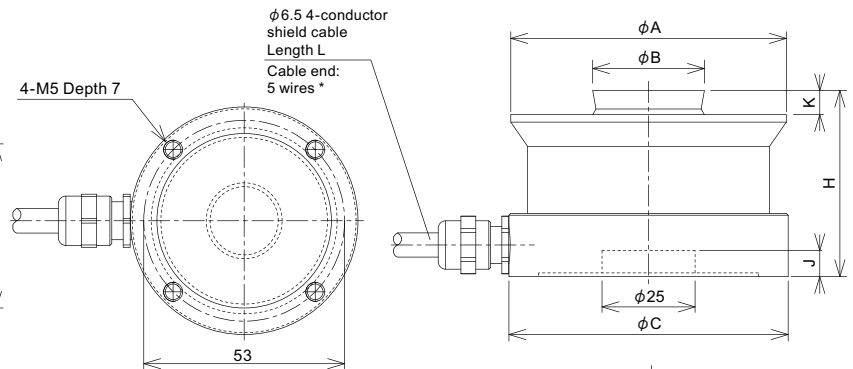
Model	RTNC3-1T	RTNC3-2.2T	RTNC3-4.7T	RTNC3-10T	RTNC3-15T	RTNC3-22T	RTNC3-33T	RTNC3-47T	RTNC3-68T	RTNC3-100T	RTNC3-150T	RTNC3-220T	RTNC3-330T	RTNC3-470T
Rated capacity	1 t	2.2 t	4.7 t	10 t	15 t	22 t	33 t	47 t	68 t	100 t	150 t	220 t	330 t	470 t
Rated output	2.85 mV/V±0.1%													
Maximum safe overload	4 t	9 t	19 t	40 t	60 t	88 t	130 t	190 t	270 t	400 t	600 t	770 t	1100 t	1500 t
Non-linearity	0.02% R.O. typ.													
Hysteresis	0.02% R.O. typ.													
Compensated temperature range	-10 to +40°C													
Safe temperature range	-30 to +80°C													
Temperature effect on zero	0.007% R.O./10°C													
Temperature effect on span	0.008% R.O./10°C typ.													
Input resistance	4450±100 Ω													
Output resistance	4010±0.5 Ω													
Recommended excitation voltage	5 V													
Excitation voltage range	5 to 30 V (Max. 60 V)													
Insulation resistance	20 GΩ or more													
Degrees of protection	IP68													
Cable	φ6.5 4-conductor shield cable, Cable end: 5 wires													
Load cell material	Stainless steel													

External dimension

■ RTNC3-1T to 4.7T



■ RTNC3-10T to 470T



Model	Deflection at rated	Weight	A	B	C	H	J	K	L
RTNC3-1T	0.13 mm	0.6 kg	49	20	60	43	-	7.5	5 m
RTNC3-2.2T	0.12 mm	0.6 kg	49	20	60	43	-	7.5	5 m
RTNC3-4.7T	0.12 mm	0.7 kg	49	20	60	43	-	7.5	5 m
RTNC3-10T	0.17 mm	1.2 kg	74	30	75	50	7	6.5	5 m
RTNC3-15T	0.18 mm	1.3 kg	75	30	75	50	7	6.5	5 m
RTNC3-22T	0.21 mm	1.3 kg	75	30	75	50	7	6.5	15 m
RTNC3-33T	0.25 mm	2.1 kg	95	40	95	65	7	10	15 m
RTNC3-47T	0.33 mm	4.3 kg	130	60	130	75	7	14	15 m
RTNC3-68T	0.35 mm	4.8 kg	130	60	130	85	7	14	15 m
RTNC3-100T	0.45 mm	7.0 kg	150	70	150	90	7	16	15 m
RTNC3-150T	0.57 mm	8.6 kg	150	70	150	100	7	16	5 m
RTNC3-220T	0.67 mm	22 kg	225	100	225	130	10	24	5 m
RTNC3-330T	0.80 mm	29 kg	225	100	225	144	10	24	5 m
RTNC3-470T	1.00 mm	50 kg	270	120	270	170	10	28	5 m

* Connector can be attached to the cable according to your requests. Refer to 84 pages for details.

Refer to drawing at page 82 when Elastomer mounts is installed.

Refer to drawing at page 83, 84 for weighing module.

Unit: mm