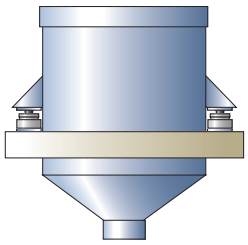
RTN

LASER WELDED HERMETIC STRUCTURE



● Application example



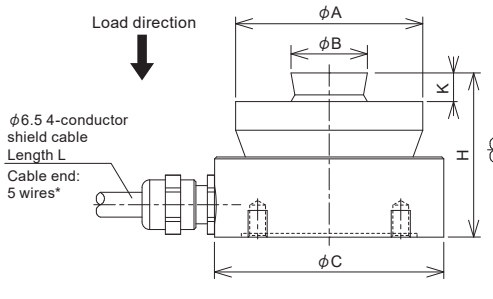
CE IP68

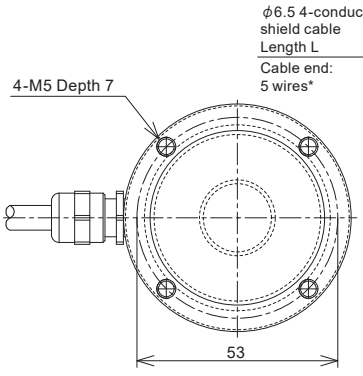
Specifications

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%													
Safe overload	1.7 t	3.8 t	8 t	17 t	25 t	38 t	56 t	80 t	115 t	170 t	250 t	380 t	500 t	700 t
Non-linearity	0.02% R.O. typ.													
Hysteresis	0.02% R.O. typ.													
Compensated temperature range	−10 to +40℃													
Safe temperature range	−30 to +80℃													
Temperature effect on zero	0.007% R.O./10℃													
Temperature effect on span	0.008% R.O./10℃ 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													
Deflection at rated	0.13 mm	0.12 mm		0.17 mm	0.18 mm	0.21 mm	0.25 mm	0.33 mm	0.35 mm	0.45 mm	0.57 mm	0.67 mm	0.80 mm	1.00 mm
Cable	ϕ6.5 4-conductor shield cable, Cable end: 5 wires													
Color code	+EXC: Black, +SIG: Red, −EXC: Blue, −SIG: White, SHIELD: Green−Yellow													
Load cell material	Stainless steel													
Approx. weight	0.6 kg		0.7 kg	1.2 kg	1.3 kg		2.1 kg	4.3 kg	4.8 kg	7.0 kg	8.6 kg	22 kg	29 kg	50 kg
Degrees of protection	IP68													

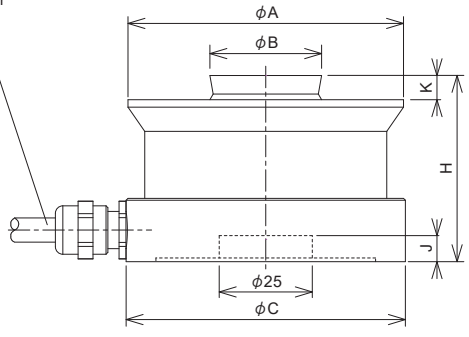
External dimension

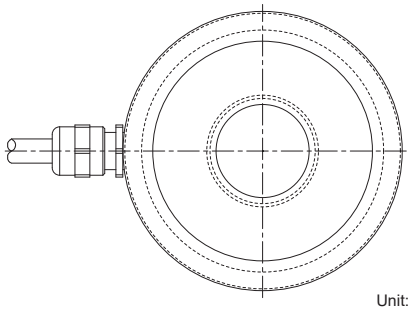
■ RTNC3-1T to 4.7T





■ RTNC3-10T to 470T





Model	ϕA	ϕB	ϕC	H	J	K	L
RTNC3-1T	49	20	60	43	–	7.5	5 m
RTNC3-2.2T	49	20	60	43	–	7.5	5 m
RTNC3-4.7T	49	20	60	43	–	7.5	5 m
RTNC3-10T	74	30	75	50	7	6.5	5 m
RTNC3-15T	75	30	75	50	7	6.5	5 m
RTNC3-22T	75	30	75	50	7	6.5	15 m
RTNC3-33T	95	40	95	65	7	10	15 m
RTNC3-47T	130	60	130	75	7	14	15 m
RTNC3-68T	130	60	130	85	7	14	15 m
RTNC3-100T	150	70	150	90	7	16	15 m
RTNC3-150T	150	70	150	100	7	16	5 m
RTNC3-220T	225	100	225	130	10	24	5 m
RTNC3-330T	225	100	225	144	10	24	5 m
RTNC3-470T	270	120	270	170	10	28	5 m

*Connector can be attached to the cable according to your request.

Unit: mm