

Z1

TENSION (COMPRESSION) LOAD CELL



IP65

Capacity from 15 kg to 60 kg

- SPECIAL STEEL
- COMBINED ERROR $\leq \pm 0.02\%$
- PROTECTION CLASS IP65



CAPACITY	kg	ACCURACY CLASS C3	NET WEIGHT (kg)	CODE
	15	•	0.28	Z1-15
	30	•	0.28	Z1-30
	60	•	0.28	Z1-60

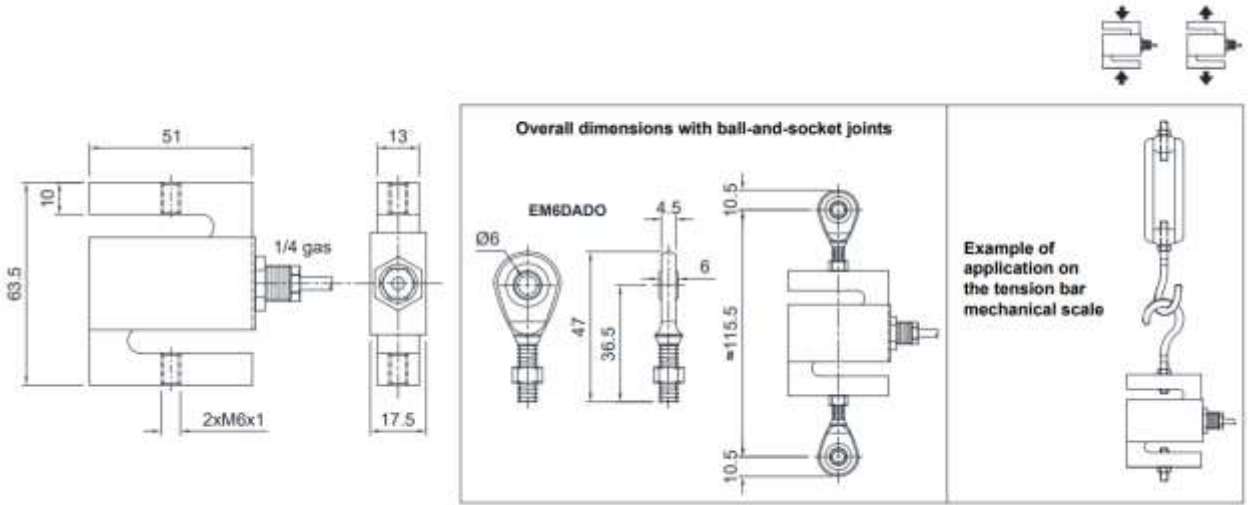
CERTIFICATIONS



OIML R60 C3

TENSION (COMPRESSION) LOAD CELL

DIMENSIONS (mm)



TECHNICAL FEATURES

Material	Special steel
OIML R60 Accuracy class • Verification intervals	C3 • 3000
Nominal load (E max)	15 - 30 - 60 kg
Minimum verification interval (V min)	E max / 8000
Combined error	≤±0.02%
Protection class	IP65

Rated output	2mV/V ± 10%	Input resistance	381 Ω ±10
Temperature effect on zero	0.0017% °C	Output resistance	350 Ω ±10
Temperature effect on span	0.0013% °C	Zero balance	±1 %
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	≥5000 MΩ
Operating temperature range	-20 °C / +60 °C	Safe overload (% of full scale)	120%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.2 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	4 mm
Cores	4 x 0.24 mm ²

