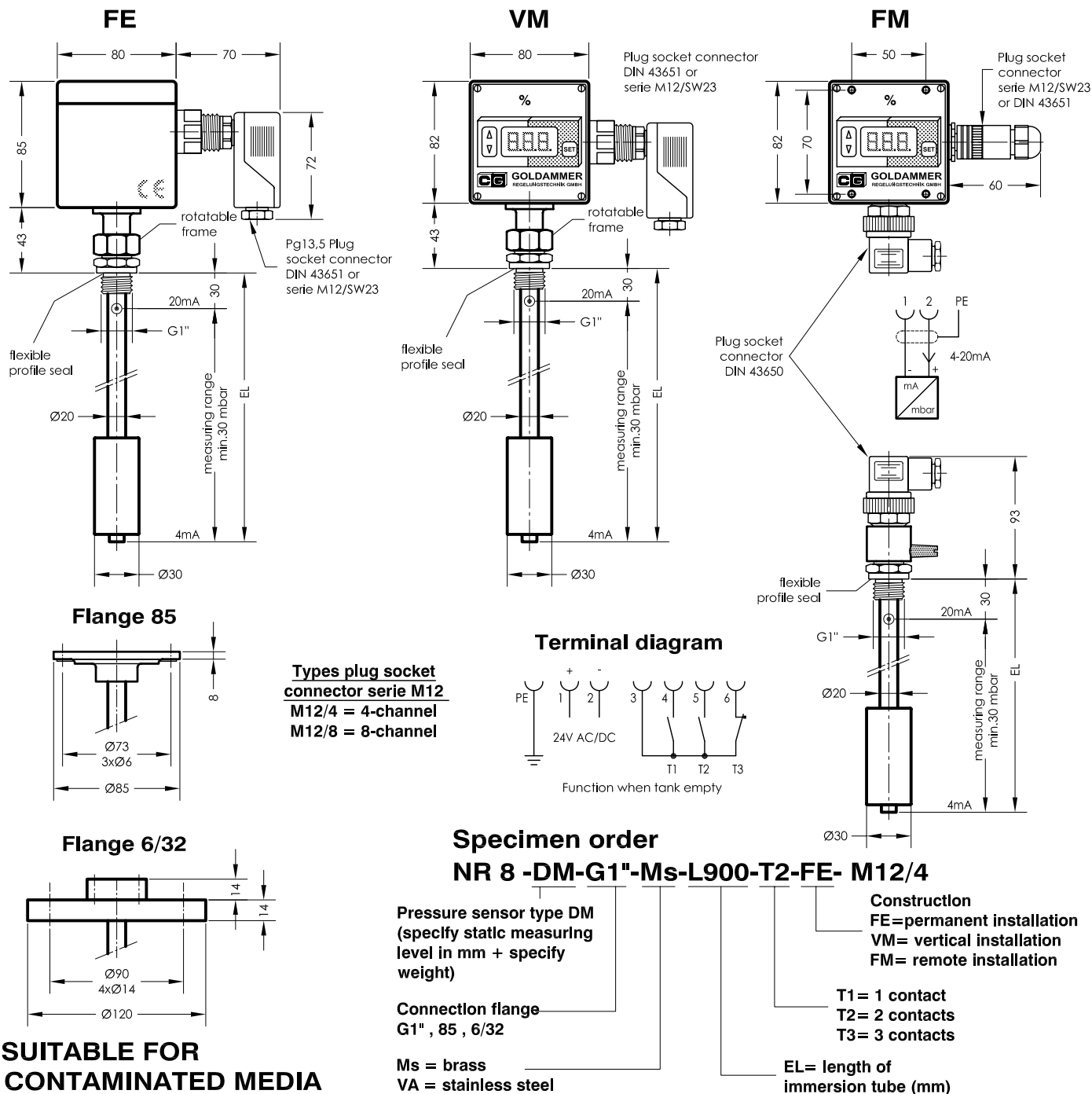


# NR 8 - DM

## Level controller for pressure less vessels

serial No. Date  
NR-GB- 122 11/02



## Description

The NR 8 - DM level controller for pressure less vessels is provided with a pressure sensor based on the piezoresistive effect. Relative pressure measurement takes place against the ambient pressure. Via lines of any length, the level in open vessels can be evaluated for automatic control and indication. The microprocessor controlled controller with high measuring accuracy is provided with a maximum of three adjustable switching contacts. The relay outputs of T1 and T2 are designed as normally open contacts, of T3 for open circuit monitoring as a normally closed contact. Other switching functions are also available on request. Components that affect safety conform with VDE and UL requirements; the voltage supply input is protected against polarity reversal. All cable connections must be shielded according to CE directive. For remote installation, a low-loss connection between the display unit and sensor tube must be provided. The level controller is maintenance - free when nondeposit media are used.

## Technical data

Connection housing	PC, IP65
Sensor sleeve	Brass max. L= 5000mm VA max. L= 6000mm
Connection flange	optional
Plug socket connector	DIN 43650 / DIN 43651 IP65 or serie M12 IP68
Display	three-digt LED 0-100%
Level contacts	max. 3 adjustable
Operating voltage	24V AC/DC
Switching capacity	max. 2,5A / 24VDC
Memory	EEPROM
Power consumption	3,6 W
Hysteresis	1 k (changeable)
Temperature	max. 80°C
Linearity	0,5%



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