

Pulse Transducer

DG

contactless



TECHNICAL DATA

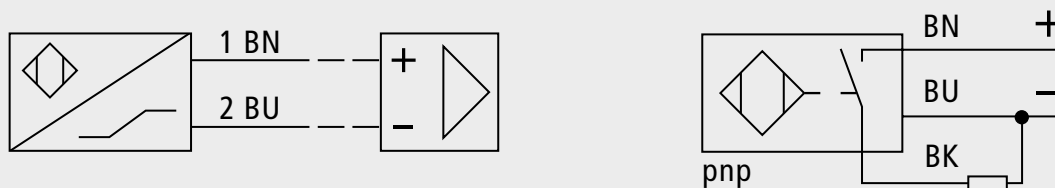
2-Wire-Pulse Transducer according to NAMUR-EN 50227

Rated operational voltage	U_o	DC 8,2 V
Internal resistance	R_i	1000 Ω
	$I_{activated}$	$\leq 1,2$ mA
	$I_{non-activated}$	$\geq 2,1$ mA

3-Wire-Pulse Transducer, PNP-switching

Rated operational voltage	U_B	DC 10 ... 30 V, completely polarized
Rated operational current	I_e	200 mA

CONNECTION DIAGRAM



GENERAL DATA

Standards	EN 60947-5-2 EN 50227 (only NAMUR-types) EN 50081-2 EN 50082-2 VDE 0110 - pollution degree 3
Protection	IP 67 according to EN 60529
Housing	Chrome-plated brass PA 12-GF 30 for temperature resistant types
Ambient temperature	Standard -25 °C ... + 70 °C TN-Type -40 °C ... + 70 °C TH-Type -25 °C ... +100 °C
Connecting cable	2 x 0,5 mm ² , length 2 m for NAMUR-types 3 x 0,34 mm ² , length 2 m for PNP-types

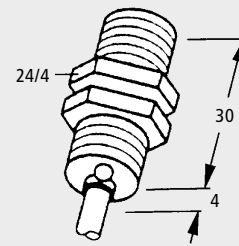
SELECTION TABLE

Type	Rated operating distance s_n (mm)	Output	Diametre (mm)	Order Number
DG 5	5	NAMUR	18	96.040 610.105
DG 5 TN	5	NAMUR	18	215.36.01.02.10
DG 5 TH	5	NAMUR	18	215.36.01.02.11
DGP 5	5	PNP	18	383.06.07.20.00
DG 10	10	NAMUR	30	96.040 610.110
DG 10 TN	10	NAMUR	30	215.36.01.02.15
DG 10 TH	10	NAMUR	30	215.36.01.02.16
DGP 10	10	PNP	30	383.06.07.03.00

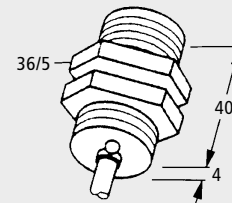
The TN- and TH-types are also resistant against oil, petrol and alkaline solutions.

TYPES AND DIMENSIONS

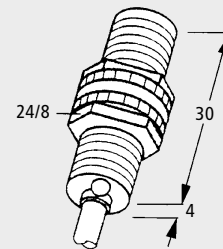
DG 5 Threaded barrel M18 x 1
Housing diameter 18 mm
Fixing torque 25 Nm
Spanner size (AF) 24
Thickness of nut 4 mm



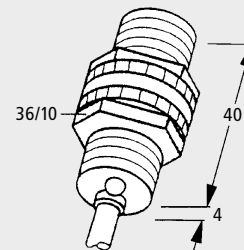
DG 10 Threaded barrel M30 x 1,5
Housing diameter 30 mm
Fixing torque 90 Nm
Spanner size (AF) 36
Thickness of nut 5 mm



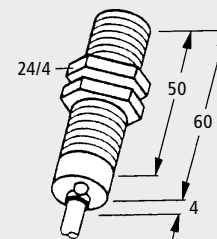
DG 5 TH
DG 5 TN Threaded barrel M18 x 1
Housing diameter 18 mm
Fixing torque 2 Nm
Spanner size (AF) 24
Thickness of nut 8 mm



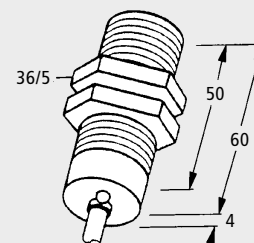
DG 10 TH
DG 10 TN Threaded barrel M30 x 1,5
Housing diameter 30 mm
Fixing torque 5 Nm
Spanner size (AF) 36
Thickness of nut 10 mm



DGP 5 Threaded barrel M18 x 1
Housing diameter 18 mm
Fixing torque 25 Nm
Spanner size (AF) 24
Thickness of nut 4 mm



DGP 10 Threaded barrel M30 x 1,5
Housing diameter 30 mm
Fixing torque 90 Nm
Spanner size (AF) 36
Thickness of nut 5 mm



Subject to change without notice.