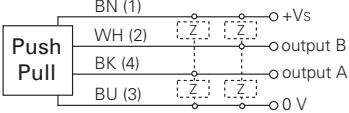
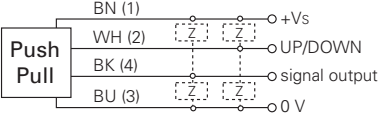


Field plate sensors

Dimensions	12 mm	12 mm
Sensing distance	0,4 mm	0,4 mm
IMFM 12G2501  IMFM 12G3501 		
Push-Pull 2 output pulse trains A/B 90° phase shifted	IMFM 12G2501	
Push-Pull signal output UP/DOWN signal		IMFM 12G3501
technical data		
voltage supply range +Vs	8 - 30 VDC	8 - 30 VDC
supply current	35 mA	35 mA
max. switching current	30 mA	30 mA
sensing distance Sn	0,4 mm	0,4 mm
switching frequency range	1 - 20'000 Hz	1 - 20'000 Hz
voltage drop	< 6 VDC (I _{OUT} =20mA)	< 6 VDC (I _{OUT} =20mA)
output A	push-pull	push-pull
output B	push-pull (B 90° phase shifted from A)	push-pull (UP/DOWN indication)
short circuit protection	yes	yes
reverse polarity protection	yes	yes
min. gear size	module 0,3	module 0,3
air gap for module 1	0,4 mm	0,4 mm
gear material	ferrous metal	ferrous metal
alignment aid	keyway	keyway
output indicator	-	-
temperature range	-25...+75 °C	-25...+75 °C
housing material	brass nickel plated	brass nickel plated
protection class	IP 67	IP 67
mounting	