

Field plate sensors

Dimensions	12 mm	12 mm
Sensing distance	1,8 mm	0,5 mm
PNP BN (1) — +Vs BK (4) — output BU (3) — 0 V NPN BN (1) — +Vs BK (4) — output BU (3) — 0 V BN (1) — +Vs BK (4) — output BU (3) — 0 V		
Push-Pull	IMRM 12G1701/L	IMRM 12G1701/S14L
PNP		IMRM 12P1501
NPN		IMRM 12N1501
technical data		
voltage supply range +Vs	8 - 30 VDC	8 - 30 VDC
supply current	20 mA	20 mA
max. switching current	30 mA	40 mA
sensing distance Sn	1,8 mm	0,5 mm
switching frequency range	1 - 20'000 Hz	0 - 20'000 Hz
voltage drop	< 7 VDC (IOUT=30mA)	< 2 VDC
short circuit protection	yes	yes
reverse polarity protection	yes	yes
min. gear size	module 1	module 1
air gap for module 1	1,8 mm	0,5 mm
gear material	ferrous metal	ferrous metal
alignment aid	keyway	keyway
output indicator	LED	-
temperature range	-25...+75 °C	-25...+75 °C
housing material	brass nickel plated	brass nickel plated
protection class	IP 67	IP 67
connector options	ES 14, ES 18, ESW 33, ESG 34	ES 14, ES 18, ESW 33, ESG 34
M12 x 1 SW 17 50 61 LED M12 x 1 SW 17 53 75 4 x LED M12 x 1	M12 x 1 SW 17 40 50 M12 x 1 SW 17 39 60 4 x LED M12 x 1	