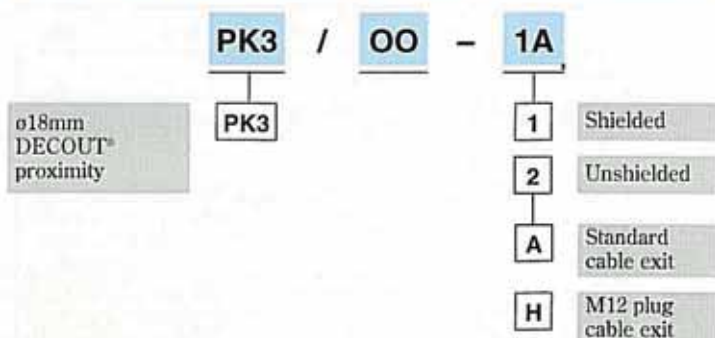


**DECOUT® NPN-PNP-NO-NC multifunction
isolated output inductive proximity switch**

- ø18 x 60mm
- Shielded and unshielded models
- IP67 nickel-plated brass housing
- Short-circuit protection
- Rear-mounted LED operation indicator
- Nominal sensing range shielded 5mm
- Unshielded 8mm



Options and ordering codes

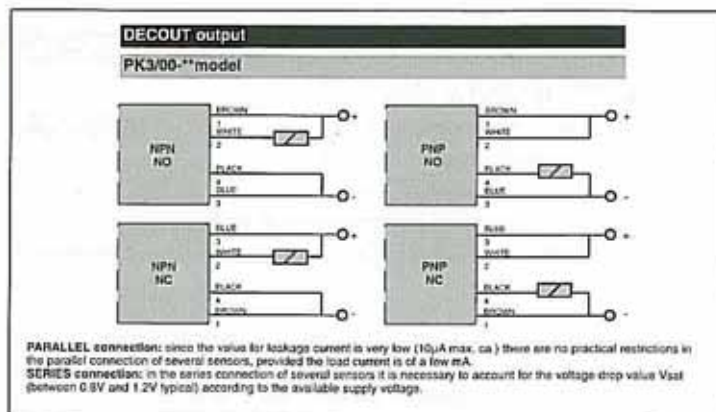


Other cable options:

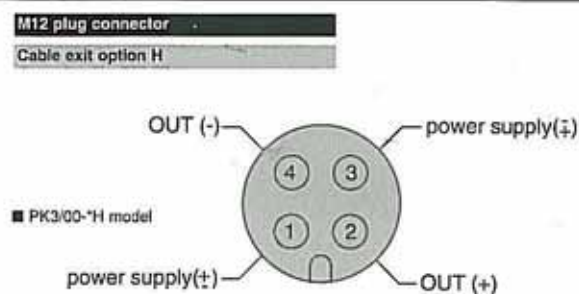
Right angle cable Customised cables
Please contact IMO for price and availability

Please see – Full specification page 253
Connector leads page 261
Mounting brackets page 259

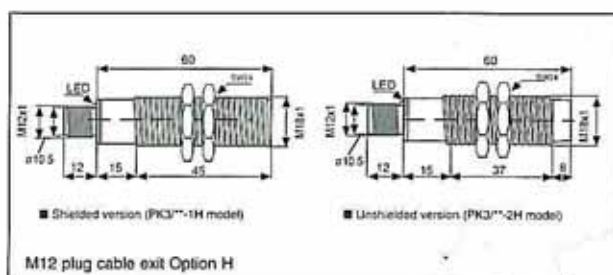
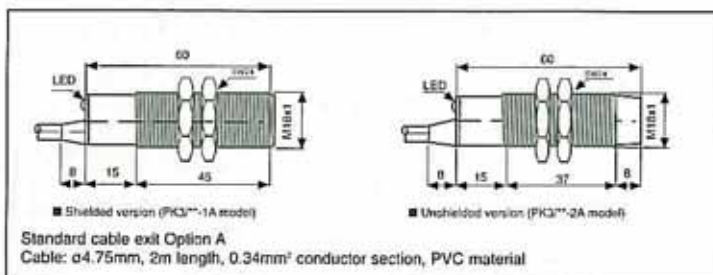
Wiring connections



Plug-pin connections



Dimensions (mm)



DECOUT® NPN-PNP-NO-NC multifunction isolated output inductive proximity switch

- $\phi 12 \times 60\text{mm}$
- Shielded and unshielded models
- IP67 nickel-plated brass housing
- Short-circuit protection
- Rear-mounted LED operation indicator
- Additional cable exit options available
- Nominal sensing range PM3 shielded 2mm
Unshielded 4mm



Options and ordering codes

	PM3	/	00	-	1A	
$\phi 12\text{mm}$ DECOUT® proximity	PM3				1	Shielded
					2	Unshielded
					A	Standard cable exit
					H	M12 plug cable exit

Price

Please see – Full specification page 253
Connector leads page 261
Mounting brackets page 259

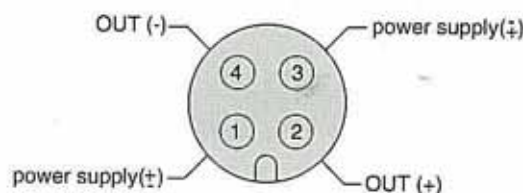
Other cable options:

Right angle cable Customised cables
Please contact IMO for price and availability

Plug-pin connections

M12 plug connector

Cable exit option H

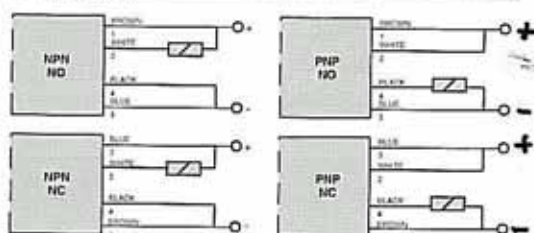


■ PM3/00-H model

Wiring connections

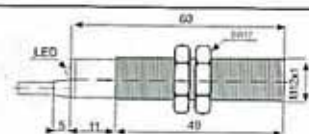
DECOUT output

PM3/00-** model

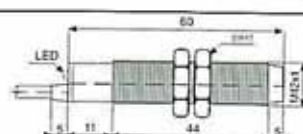


PARALLEL connection: since the value for leakage current is very low (10µA max. ca.) there are no practical restrictions in the parallel connection of several sensors, provided the load current is of a few mA.
SERIES connection: in the series connection of several sensors it is necessary to account for the voltage drop value V_{sat} (between 0.8V and 1.2V typical) according to the available supply voltage.

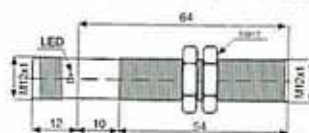
Dimensions (mm)



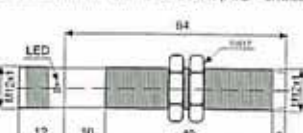
■ Shielded version - Standard cable exit (PM3-1A model)



■ Unshielded version - Standard cable exit (PM3-2A model)



■ Shielded version - M12 plug cable exit (PM3-1H model)



■ Unshielded version - M12 plug cable exit (PM3-2H model)

Standard cable exit Option A
Cable: $\phi 3.75\text{mm}$, 2m length, 0.22mm² conductor section, PVC material

M12 plug cable exit Option H

Proximity Switches

Selection Chart

INDUCTIVE TYPES

Model	Description	Dimensions	Sensing range	Cable exit options	Housing material	Power supply	Output type	Output state	Load current	Switching frequency	Protection	Output indicator	Operating temp.	Protection degree	Page
PE1	 New Models Standard DC 3-wire Proximity Switches Ø8mm	M8x45mm	1mm Shielded 1.5mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO	200mA	5kHz Shielded 4kHz Unshielded	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	244
			2mm Unshielded												
PM1	 Standard DC 3-wire Proximity Switches Ø12mm	M12x50mm	2mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO	200mA	2kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	245
			4mm Unshielded												
PM3	 DECOU® DC 4-wire Proximity Switches Ø12mm	M12x60mm	2mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	DECOU® De-coupled output (fully isolated from the supply voltage) and NPN/PNP/NO/NC user-selectable on the single unit		100mA	1kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	246
			4mm Unshielded												
PM6	 Short-body DC 3-wire Proximity Switches Ø12mm	M12x43mm	2mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO	200mA	1kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	247
			4mm Unshielded												
PMS	 Harsh Environment DC 4-wire Proximity Switches Ø12mm	M12x65mm	2mm Shielded	M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO + NC Dual output	100mA	2kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP68	248
			4mm Unshielded												
PK1	 Standard DC 3-wire Proximity Switches Ø18mm	M18x50mm	5mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO	400mA	0.5kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	249
			8mm Unshielded												
PK3	 DECOU® DC 4-wire Proximity Switches Ø18mm	M18x60mm	5mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	DECOU® De-coupled output (fully isolated from the supply voltage) and NPN/PNP/NO/NC user-selectable on the single unit		100mA	0.3kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP67	250
			8mm Unshielded												
PKS	 New Models Harsh Environment DC 4-wire Proximity Switches Ø18mm	M18x63mm	5mm Shielded	Standard 2m cable M12 plug connector	Nickel-plated brass	10-30 V DC	NPN or PNP	NO + NC Dual output	400mA	1kHz	Short-circuit, polarity reversal, inductive loads	LED	-25 to +70°C	IP68	251
			8mm Unshielded												

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