

SENSORI EFFETTO DI HALL serie SHP-36 ■■■■



- CUSTODIA PARALLELEPIEDA PLASTICA 26x36x13
- AMPLIFICATI 3 FILI C.C.

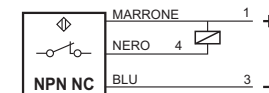
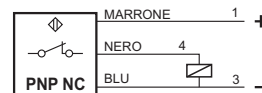
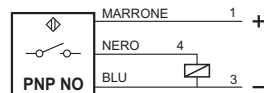
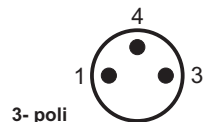
- FUNZIONE USCITA NO o NC
- LOGICA DI USCITA NPN o PNP

- Conforme: - Direttiva Compatibilità Elettromagnetica 2014/30/UE
- Norma di Prodotto EN60947-5-2

<p>(*) A richiesta è possibile ordinare i sensori con cavo da 5 o 10 mt.</p> <p>CARATTERISTICHE TECNICHE</p>	<p>Dimensioni in mm</p>		<p>Dimensioni in mm</p>		
	<p>AMPLIFICATI 3 Fili C.C.</p> <p>PNP</p> <p>NO</p> <p>NC</p> <p>NPN</p> <p>NO</p> <p>NC</p>		<p>SHP-36 PNP NO</p> <p>SHP-36 PNP NC</p> <p>SHP-36 NPN NO</p> <p>SHP-36 NPN NC</p>		<p>SHP-36 PNP NO H1</p> <p>SHP-36 PNP NC H1</p> <p>SHP-36 NPN NO H1</p> <p>SHP-36 NPN NC H1</p>
Sensibilità	G	50G			
Distanza di intervento S _n	mm	10 con magnete M-16; 25 con magnete M-20; 20 con magnete M-36P ■; 40 con magnete M-30			
Isteresi	G	≤ 15G			
Ripetibilità	G	≤ 3			
Tensione continua	V	10 ÷ 30 (-15% ÷ +10%)			
Ritardo alla disponibilità	ms	≤ 200 ms			
Frequenza max. di commutazione	Hz	≤ 500			
Corrente max. di uscita	mA	200		200	
Assorbimento a 24Vcc	mA	≤ 15			
Caduta di tensione (uscita attivata)	V	≤ 1.5			
Protezioni presenti		Corto circuito e inversione della polarità			
Led visualizzatore GIALLO		Presente			
Limiti di temperatura	°C	-25 ÷ +85			
Tipo di connessione (*)		Cavo PVC 3x0.25 mt. 2		H1 - 3 poli	
Grado di protezione	IP	IP68		IP66 o IP67 (in funzione del connettore)	
Materiale custodia		PBT + FV			

SCHEMI DI COLLEGAMENTO

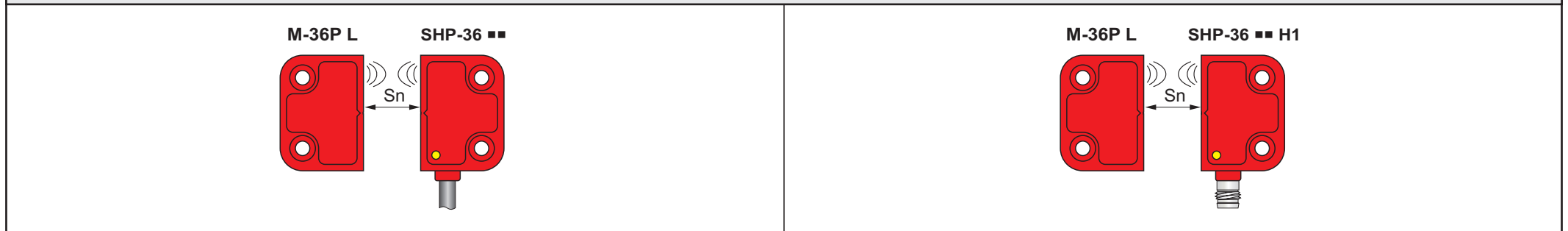
VISTA CONNETTORE MASCHIO H1 (M8)



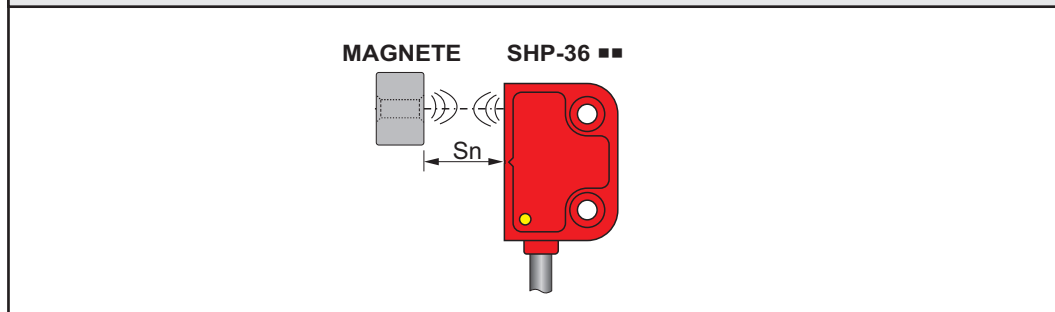
- CUSTODIA PARALLELEPIEDA PLASTICA 26x36x13

Dimensioni in mm	
CARATTERISTICHE TECNICHE	M-36P L
Materiale magnete	Neodimio
Limiti di temperatura °C	- 25 + 85°C
Grado di protezione	IP67
Materiale custodia	PBT + FV
Posizione della zona di emissione	A sinistra

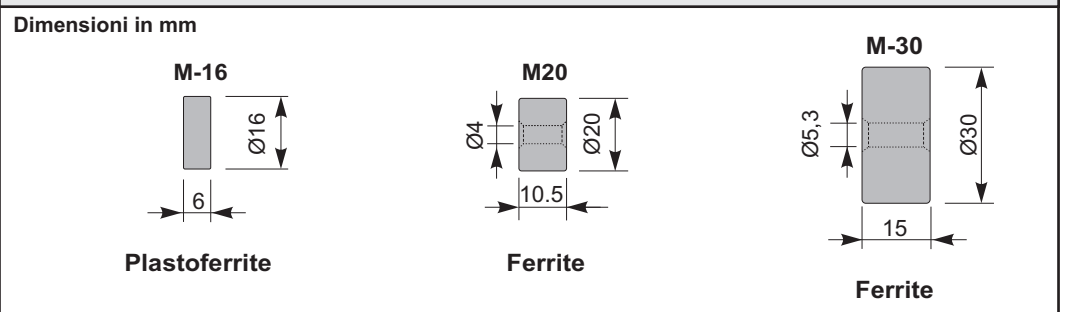
ESEMPI DI ACCOPPIAMENTO SENSORE - MAGNETE CON MAGNETE SERIE M-36P ■



ESEMPI DI ACCOPPIAMENTO SENSORE - MAGNETE CON MAGNETI CILINDRICI



TIPI DI MAGNETE



HALL EFFECT SENSORS SHP-36 ■■■■



- PLASTIC PARALLELEPIPED HOUSING 26x36x13
- AMPLIFIED 3 WIRES D.C.

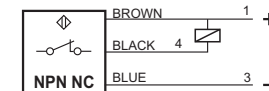
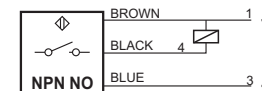
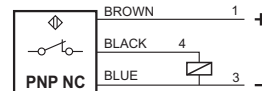
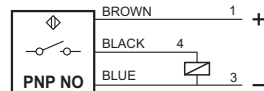
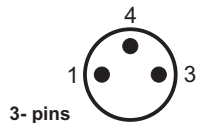
- OUTPUT FUNCTION NO or NC
- OUTPUT TYPE NPN or PNP

- In conformity with: - product norm EN60947-5-2
- Electromagnetic compatibility directive 2014/30/UE

<p>(*) Upon request cable for sensors with different lengths 5 - 10m is available.</p> <p>TECHNICAL CHARACTERISTICS</p>	<p>Dimensions mm</p>		<p>Dimensions mm</p>	
	<p>AMPLIFIED 3 Wires D.C.</p>	<p>PNP</p> <p>NO</p> <p>NC</p> <p>NPN</p> <p>NO</p> <p>NC</p>	<p>SHP-36 PNP NO</p> <p>SHP-36 PNP NC</p> <p>SHP-36 NPN NO</p> <p>SHP-36 NPN NC</p>	<p>SHP-36 PNP NO H1</p> <p>SHP-36 PNP NC H1</p> <p>SHP-36 NPN NO H1</p> <p>SHP-36 NPN NC H1</p>
Sensing range	G	50G		
Sensing distance	mm	10 with magnet M-16; 25 with magnet M-20; 20 with magnet M-36P ■; 40 with magnet M-30		
Hysteresis	G	≤ 15G		
Repeatability	G	≤ 3		
Continuous voltage	V	10 ÷ 30 (-15% ÷ +10%)		
Time delay before availability	ms	≤ 200 ms		
Max switching frequency	Hz	≤ 500		
Max. output current	mA	200	200	
Absorption at 24 Vdc	mA	≤ 15		
Voltage drop (output ON)	V	≤ 1.5		
Protection features		Short circuit and reverse polarity protection		
Yellow led		Incorporated		
Operating temperature range	°C	-25 ÷ +85		
Connection type (*)		3x0.25 mt.2 PVC Cable	H1 - 3 pins	
Degree of protection	IP	IP68	IP66 or IP67 (depending of connector)	
Housing material		PBT + FV		

WIRING DIAGRAMS

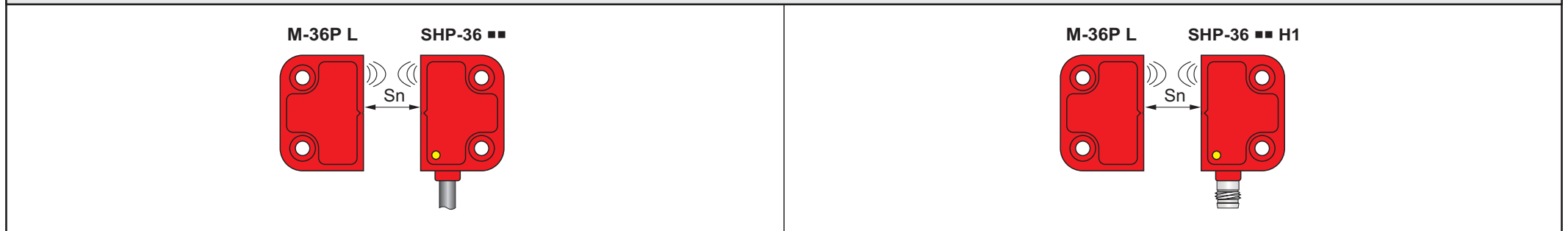
VIEW OF MALE CONNECTOR H1 (M8)



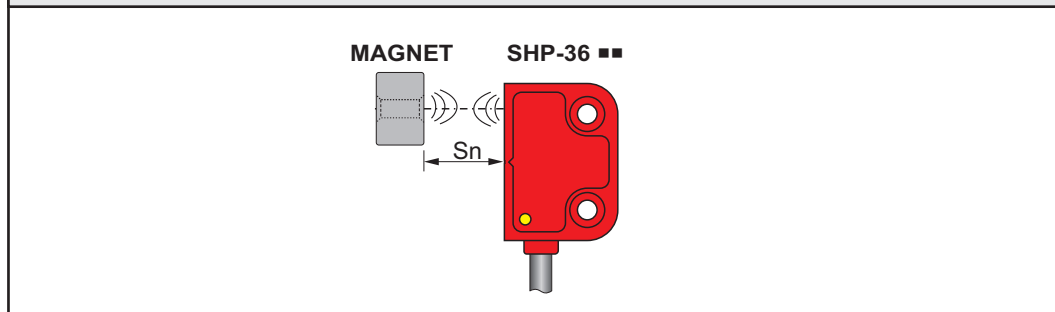
- PLASTIC PARALLELEPIPED HOUSING 26x36x13

Dimensions mm	
TECHNICAL CHARACTERISTICS	M-36P L
Magnet material	Neodymium
Temperature limits °C	- 25 + 85°C
Protection degree	IP67
Housing material g	PBT + FV
Position of the emission area	Left

EXAMPLES OF COUPLING SENSOR-MAGNET WITH MAGNET M-36P ■



EXAMPLES OF COUPLING SENSOR - MAGNET WITH CYLINDRICAL MAGNETS



TYPES OF MAGNET

Dimensions mm		
<p>M-16</p> <p>Plastic-ferrite</p>	<p>M20</p> <p>Ferrite</p>	<p>M-30</p> <p>Ferrite</p>