

**FOTOCEDURE CILINDRICHE M18  
MULTIFUNZIONE**

**SERIE OCV88 *SERIES***

***M18 PHOTOELECTRIC CYLINDRICAL  
MULTIFUNCTION SENSORS***

## FOTOCELLULE CILINDRICHE M18 MULTIFUNZIONE

### M18 CYLINDRICAL PHOTOELECTRIC SENSORS MULTIFUNCTION

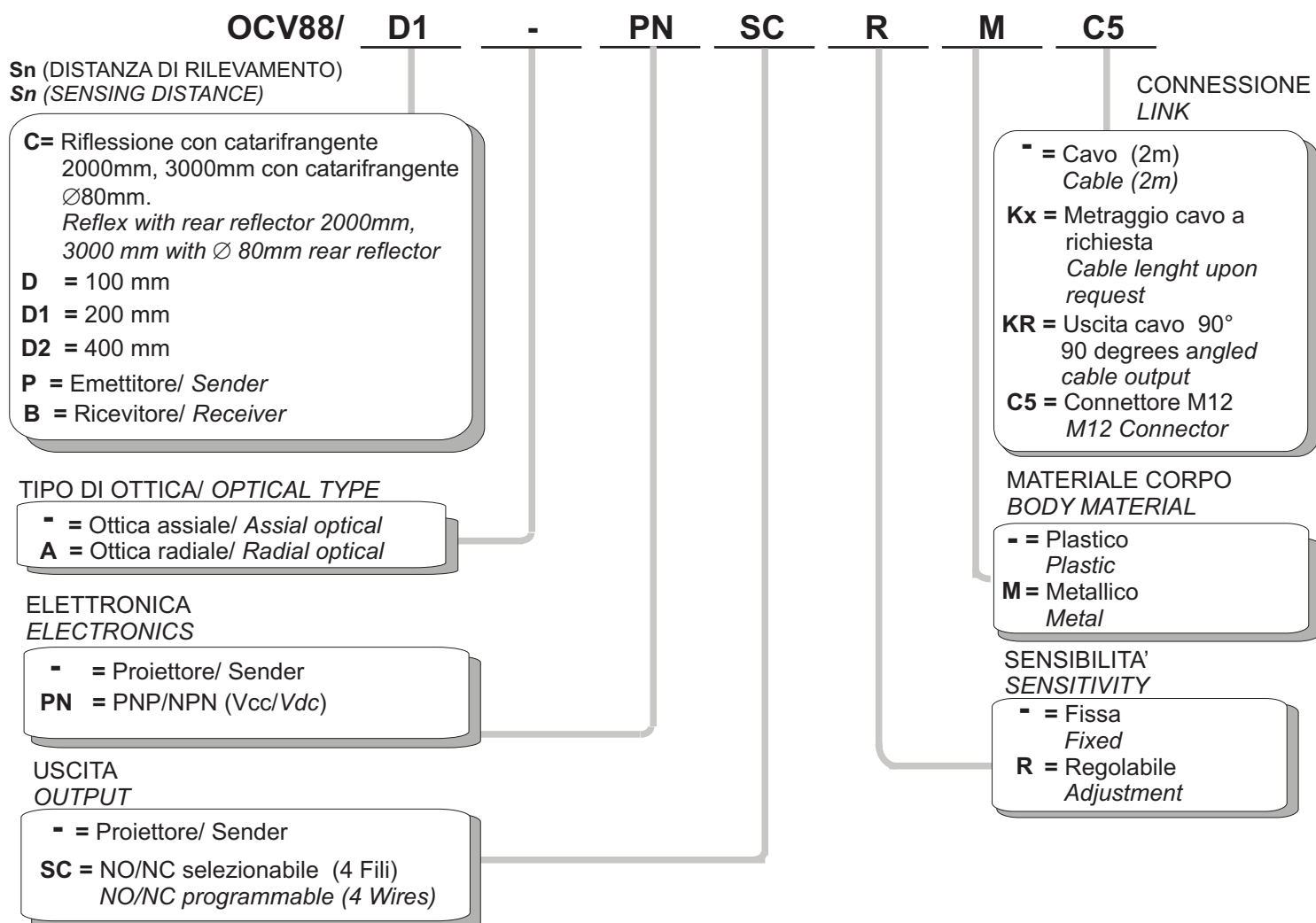


FOTOCELLULE STANDARD M18 A TASTEGGIO DIRETTO, CON TESTINA A 90°  
VERSIONI A 100, 200 E 400 mm DI PORTATA.  
USCITA CAVO O CONNETTORE M12.  
CONTENITORE PLASTICO O METALLICO.

STANDARD M18 PHOTOELECTRIC SENSORS  
DIFFUSE TYPE, WITH RADIAL CYLINDRICAL  
SENSING DISTANCE VERSIONS 100, 200 & 400  
CABLE OUT OR M12 PLUG-IN CONNECTOR.  
PLASTIC OR METAL BODY

#### COME ORDINARE

#### HOW TO ORDER



**CARATTERISTICHE ELETTRICHE**
**ELECTRICAL FEATURES**
**VERSIONE IN C.C.**
**D.C. TYPE**

ALIMENTAZIONE	<b>10 ÷ 30 Vdc</b>	<i>SUPPLY VOLTAGE</i>
ONDULAZIONE RESIDUA	<b>≤ 10%</b>	<i>RIPPLE</i>
ASSORBIMENTO	<b>&lt;25 mA</b>	<i>POWER COMSUMPTION</i>
CARICO MASSIMO	<b>250mA</b>	<i>MAXIMUM LOAD</i>
CADUTA DI TENSIONE	<b>2V@200mA</b>	<i>VOLTAGE DROP</i>
PROTEZIONE C.C.	<b>SI / YES</b>	<i>SHORT CIRCUIT PROTECTION</i>
PROTEZIONE INVERSIONE DI POLARITA'	<b>SI / YES</b>	<i>POLARITY REVERSAL PROTECTION</i>
COMPATIBILITA' ELETTROMAGNETICA CE	<b>EN 60947-5-2</b>	<i>CE COMPLIANCE</i>

**CARATTERISTICHE TECNICHE**
**TASTEGGIO DIRETTO/ DIFFUSE TYPE**
**TECHNICAL FEATURES**

MODELLO	FISSO REG	D	DA	D1	D1A	D2	D2A	FIXED ADJ	MODEL
		-		D1...R	D1A...R	D2...R	D2A...R		
DISTANZA DI RILEVAMENTO (mm)		<b>100*</b>		<b>200*</b>		<b>400**</b>			(mm) SENSING DISTANCE
		-		<b>1÷200</b>		<b>1÷400</b>			
EMISSIONE		<b>IR MODULATO 880nm - PULSED IR 880nm</b>							<i>EMISSION</i>
FREQUENZA DI COMMUTAZIONE MASSIMA		<b>150 Hz</b>							<i>MAXIMUM WORKING FREQUENCY</i>
TEMPERATURA DI LAVORO		<b>-10°C ÷ +50°C</b>							<i>WORKING TEMPERATURE</i>
TEMPERATURA DI STOCCAGGIO		<b>-25°C ÷ +70°C</b>							<i>STORAGE TEMPERATURE</i>
MATERIALE CORPO PLASTICO		<b>ABS</b>							<i>PLASTIC BODY MATERIAL</i>
MATERIALE CORPO METALLICO		<b>OTTONE NICHELATO / NICHEL PLATED BRASS</b>							<i>METAL BODY MATERIAL</i>
MATERIALE LENTI		<b>PMMA</b>							<i>LENSES MATERIAL</i>
GRADO DI PROTEZIONE		<b>IP65</b>							<i>PROTECTION RATING</i>

\* PORTATA DEFINITA SU CARTA BIANCA CON RIFLESSIONE DEL 90% DIMENSIONI 100 x 100 mm  
SENSING DISTANCE DEFINED ON WHITE PAPER WITH 90% REFLEX DIMENSIONS 100 x 100 mm

\*\* PORTATA DEFINITA SU CARTA BIANCA CON RIFLESSIONE DEL 90% DIMENSIONI 200 x 200 mm  
SENSING DISTANCE DEFINED ON WHITE PAPER WITH 90% REFLEX DIMENSIONS 200 x 200 mm

**CARATTERISTICHE TECNICHE**
**RIFLESSIONE/ REFLEX**
**TECHNICAL FEATURES**

MODELLO	FISSO REG	C	CA	*C	*CA	FIXED ADJ	MODEL
		C...R	CA...R	*C...R	*CA...R		
DISTANZA DI RILEVAMENTO (mm)		<b>2000</b>		<b>3000</b>			(mm) SENSING DISTANCE
		<b>2÷2000</b>		<b>2÷3000</b>			
EMISSIONE		<b>IR MODULATO 880nm - PULSED IR 880nm</b>					<i>EMISSION</i>
FREQUENZA DI COMMUTAZIONE MASSIMA		<b>150 Hz</b>					<i>MAXIMUM WORKING FREQUENCY</i>
TEMPERATURA DI LAVORO		<b>-10°C ÷ +50°C</b>					<i>WORKING TEMPERATURE</i>
TEMPERATURA DI STOCCAGGIO		<b>-25°C ÷ +70°C</b>					<i>STORAGE TEMPERATURE</i>
MATERIALE CORPO PLASTICO		<b>ABS</b>					<i>PLASTIC BODY MATERIAL</i>
MATERIALE CORPO METALLICO		<b>OTTONE NICHELATO / NICHEL PLATED BRASS</b>					<i>METAL BODY MATERIAL</i>
MATERIALE LENTI		<b>PMMA</b>					<i>LENSES MATERIAL</i>
GRADO DI PROTEZIONE		<b>IP65</b>					<i>PROTECTION RATING</i>

\* CON CATARIFRANGENTE TIPO SCT4 Ø80mm.  
WITH 80mm Ø REAR REFLECTOR SCT4 TYPE

**CARATTERISTICHE ELETTRICHE**
**BARRIERA/ BEAM TYPE**
**ELECTRICAL FEATURES**
**VERSIONE IN C.C.**
**D.C. TYPE**

	EMETTITORE/SENDER	RICEVITORE/RECEIVER	
ALIMENTAZIONE	10 ÷ 30 Vdc		SUPPLY VOLTAGE
ONDULAZIONE RESIDUA	≤ 10%		RIPPLE
ASSORBIMENTO	< 50 mA	< 25 mA	POWER CONSUMPTION
CARICO MASSIMO	-	250 mA	MAXIMUM LOAD
CADUTA DI TENSIONE	-	< 2V @ 250 mA	VOLTAGE DROP
PROTEZIONE C.C.	-	SI / YES	SHORT CIRCUIT PROTECTION
PROTEZIONE INVERSIONE DI POLARITA'	SI / YES		POLARITY REVERSAL PROTECTION
COMPATIBILITA' ELETTROMAGNETICA CE	EN 60947-5-2		CE COMPLIANCE

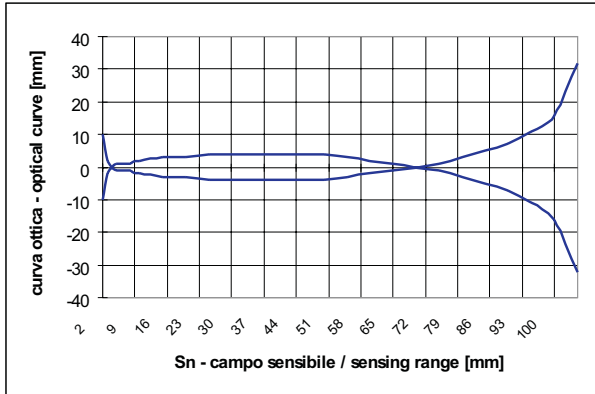
**CARATTERISTICHE ELETTRICHE**
**BARRIERA/ BEAM TYPE**
**TECHNICAL FEATURES**

MODELLO	FISSO REG.	B - P B - P...R	BA - PA BA - PA...R	FIXED ADJ.	MODEL
DISTANZA DI RILEVAMENTO (mm)		15 m			SENSING DISTANCE (mm)
EMISSIONE		0 ÷ 15 m			EMISSION
FREQUENZA DI COMMUTAZIONE MASSIMA		IR MODULATO 880 nm – PULSED IR 880 nm			MAXIMUM WORKING FREQUENCY
TEMPERATURA DI LAVORO		30 Hz			WORKING TEMPERATURE
TEMPERATURA DI STOCCAGGIO		-10°C ÷ 50°C			STORAGE TEMPERATURE
MATERIALE CORPO PLASTICO		-25°C ÷ 70°C			PLASTIC BODY MATERIAL
MATERIALE CORPO METALLICO		ABS			METAL BODY MATERIAL
MATERIALE LENTI		OTTONE NICHELATO / NICHEL PLATED BRASS			LENSES MATERIAL
GRADO DI PROTEZIONE		PMMA			PROTECTION RATING
		IP65			

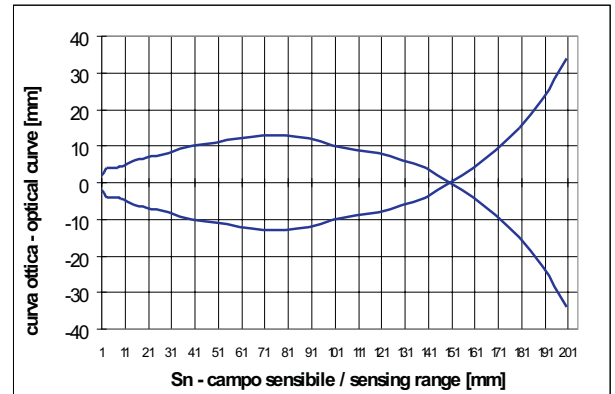
## CURVE OTTICHE

## OPTIC CURVES

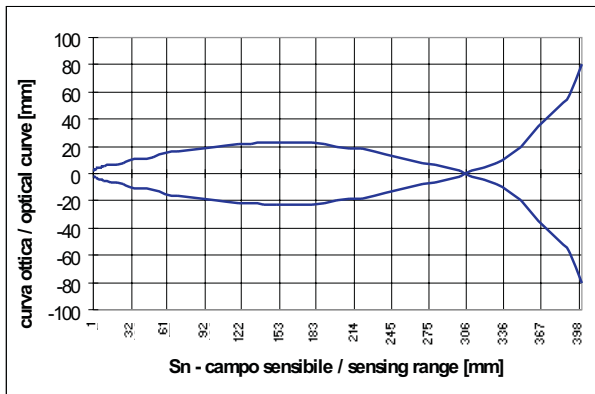
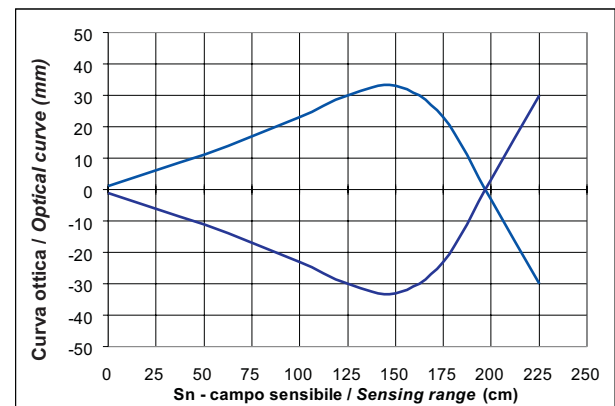
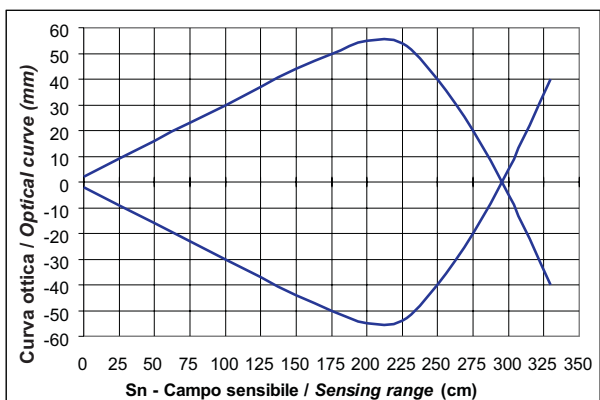
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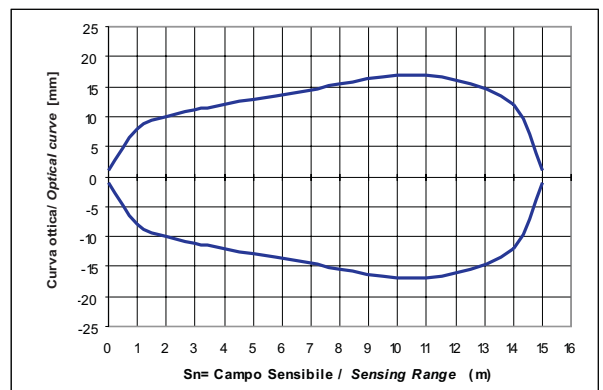
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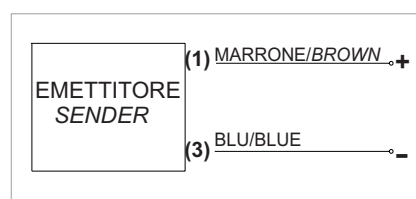
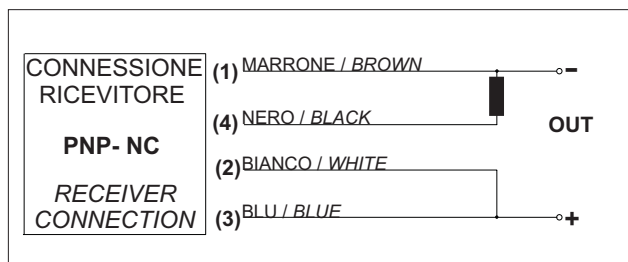
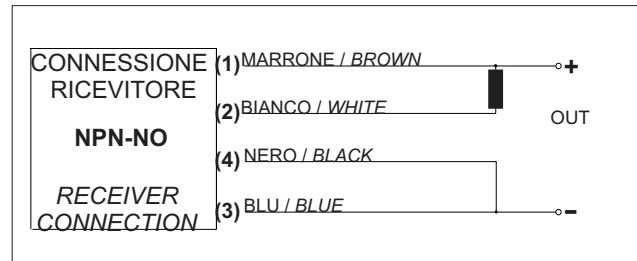


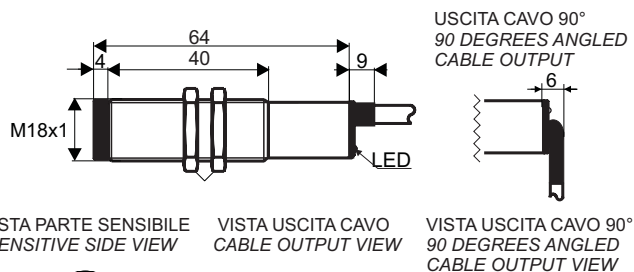
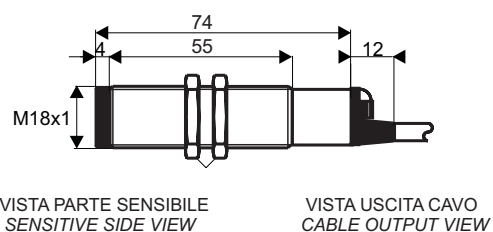
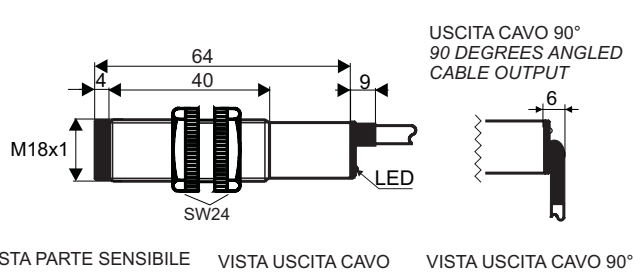
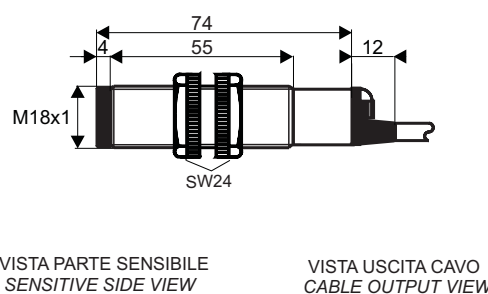
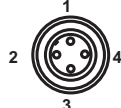
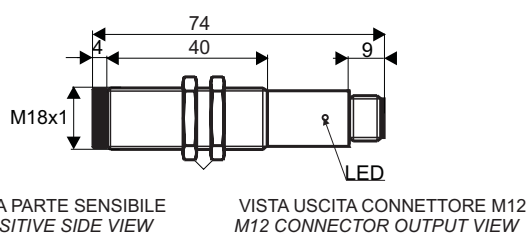
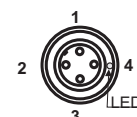
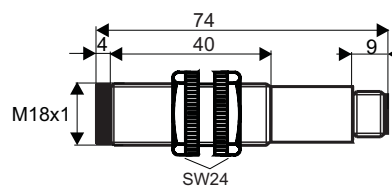
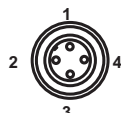
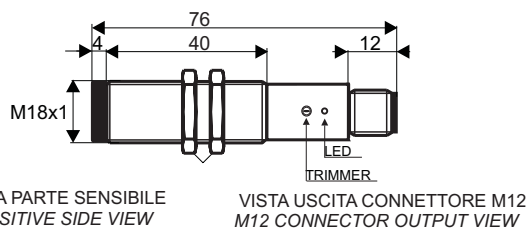
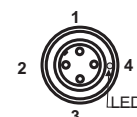
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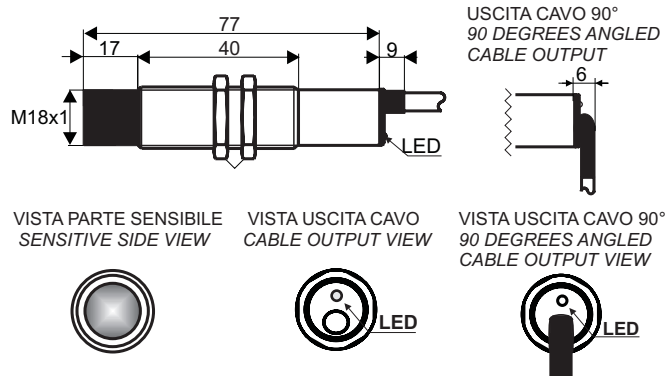
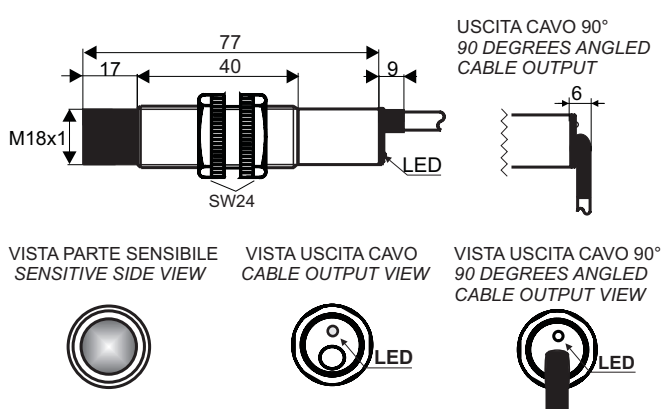
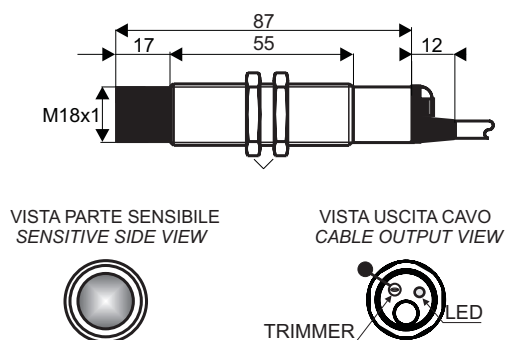
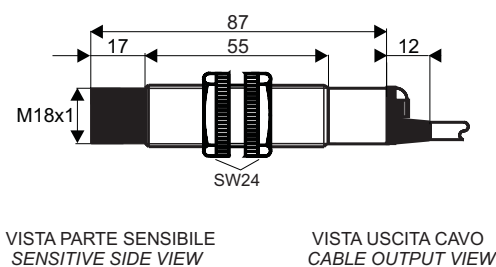
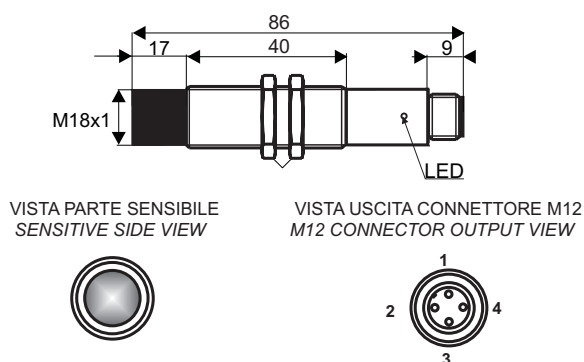
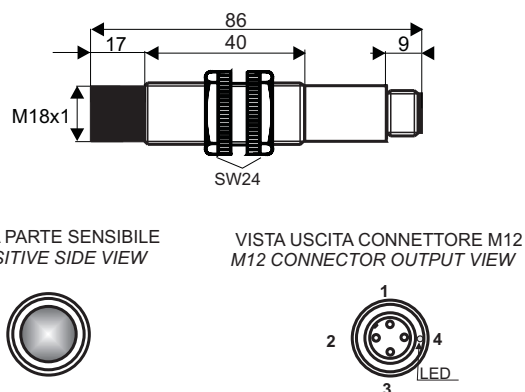
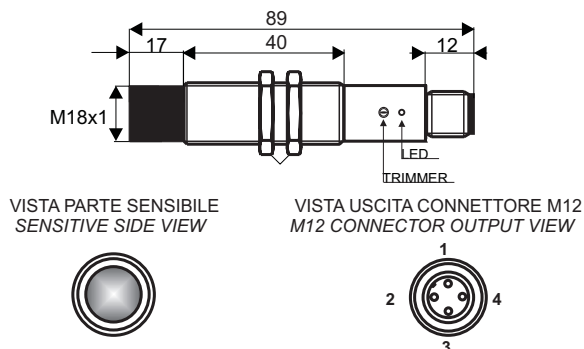

MODELLO C/ CA TYPE  
CATARIFRANGENTE SCT2 REFLECTOR

MODELLO C/ CA TYPE  
CATARIFRANGENTE SCT4 REFLECTOR


## MODELLO B - P/ BA - PA TYPE



**CONNESSIONI**
**CONNECTIONS**


**DIMENSIONI MECCANICHE**
**MECHANICAL SIZE**
**CONTENITORE METALLICO / METAL BODY**
**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**

**CONTENITORE PLASTICO / PLASTIC BODY**
**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**

**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**

**VERSIONE NON REGOLABILE**
**FIXED VERSION**


**DIMENSIONI MECCANICHE**
**MECHANICAL SIZE**
**CONTENITORE METALLICO / METAL BODY**
**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**CONTENITORE PLASTICO / PLASTIC BODY**
**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**

**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE NON REGOLABILE**
**FIXED VERSION**

**VERSIONE REGOLABILE**
**ADJUSTABLE VERSION**




**CARATTERISTICHE TECNICHE**
**TASTEGGIO DIRETTO/ DIFFUSE TYPE**
**PRODUCTS LIST**
**MODELLO D Sn= 100mm**
**D TYPE - Sn=100mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/DPNSC	OCV88/DPNSCC5	OCV88/DPNSCM	OCV88/DPNSCMC5

**MODELLO D1 Sn= 200mm**
**D1 TYPE - Sn=200mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D1PNSC	OCV88/D1PNSCC5	OCV88/D1PNSCM	OCV88/D1PNSCMC5

**MODELLO D1 Sn= 200mm REGOLABILE**
**D1 TYPE - Sn=200mm - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D1PNSCR	-	OCV88/D1PNSCRM	OCV88/D1PNSCRM C5

**MODELLO D2 Sn= 400mm**
**D2 TYPE - Sn=400mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D2PNSC	OCV88/D2PNSCC5	OCV88/D2PNSCM	OCV88/D2PNSCMC5

**MODELLO D2 Sn= 400mm REGOLABILE**
**D2 TYPE - Sn=400mm - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D2PNSCR	-	OCV88/D2PNSCRM	OCV88/D2PNSCRM C5

**MODELLO D Sn= 100mm**
**D TYPE - Sn=100mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/DAPNSC	OCV88/DAPNSCC5	OCV88/DAPNSCM	OCV88/DAPNSCMC5

**MODELLO D1 Sn= 200mm**
**D1 TYPE - Sn=200mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D1APNSC	OCV88/D1APNSCC5	OCV88/D1APNSCM	OCV88/D1APNSCMC5

**MODELLO D1 Sn= 200mm REGOLABILE**
**D1 TYPE - Sn=200mm - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D1APNSCR	-	OCV88/D1APNSCRM	OCV88/D1APNSCRM5

**MODELLO D2 Sn= 400mm**
**D2 TYPE - Sn=400mm**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D2APNSC	OCV88/D2APNSCC5	OCV88/D2APNSCM	OCV88/D2APNSCMC5

**MODELLO D2 Sn= 400mm REGOLABILE**
**D2 TYPE - Sn=400mm - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/D2APNSCR	-	OCV88/D2APNSCRM	OCV88/D2APNSCRM5

**CARATTERISTICHE TECNICHE**
**RIFLESSIONE/ *REFLEX***
**TECHNICAL FEATURES**
**MODELLO C**
**C TYPE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/CPNSC	OCV88/CPNSCC5	OCV88/CPNSCM	OCV88/CPNSCMC5

**MODELLO C REGOLABILE**
**C TYPE - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/CPNSCR	-	OCV88/CPNSCRM	OCV88/CPNSCRM5

**MODELLO C**
**C TYPE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/CAPNSC	OCV88/CAPNSCC5	OCV88/CAPNSCM	OCV88/CAPNSCMC5

**MODELLO C REGOLABILE**
**C TYPE - ADJUSTABLE**

	PLASTICA / <i>PLASTIC</i>		METALLO / <i>METAL</i>	
USCITA / <i>OUTPUT</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>	CAVO / <i>CABLE</i>	CONNETTORE/ <i>CONNECTOR</i>
PNP/NPN SC	OCV88/CAPNSCR	-	OCV88/CAPNSCRM	OCV88/CAPNSCRM5

**CARATTERISTICHE ELETTRICHE**
**BARRIERA/ BEAM TYPE**
**ELECTRICAL FEATURES**
**EMETTITORE**
**SENDER**

	PLASTICA/PLASTIC		METALLICA/METAL	
	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
C.C.	OCV88/P	OCV88/PC5	OCV88/PM	OCV88/PMC5

**EMETTITORE VERSIONE REGOLABILE**
**SENDER ADJUSTABLE VERSION**

	PLASTICA/PLASTIC		METALLICA/METAL	
	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
C.C.	OCV88/PR	-	OCV88/PRM	OCV88/PRMC5

**RICEVITORE**
**RECEIVER**

	PLASTICA/PLASTIC		METALLICA/METAL	
USCITA/OUTPUT	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
PNP/NPN SC	OCV88/BPNSC	OCV88/BPNSCC5	OCV88/BPNSCM	OCV88/BPNSCMC5

**EMETTITORE**
**SENDER**

	PLASTICA/PLASTIC		METALLICA/METAL	
	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
C.C.	OCV88/PA	OCV88/PAC5	OCV88/PAM	OCV88/PAMC5

**EMETTITORE VERSIONE REGOLABILE**
**SENDER ADJUSTABLE VERSION**

	PLASTICA/PLASTIC		METALLICA/METAL	
	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
C.C.	OCV88/PAR	-	OCV88/PARM	OCV88/PARMC5

**RICEVITORE**
**RECEIVER**

	PLASTICA/PLASTIC		METALLICA/METAL	
USCITA/OUTPUT	CAVO/CABLE	CONNETTORE/CONNECTOR	CAVO/CABLE	CONNETTORE/CONNECTOR
PNP/NPN SC	OCV88/BAPNSC	OCV88/BAPNSCC5	OCV88/BAPNSCM	OCV88/BAPNSCMC5

**RIFERIMENTI CONNETTORI PARTE VOLANTE**
**CONNECTOR LOOSE PART CODES**

FEMMINA / FEMALE	DIRITTO/STRAIGHT	90°/90 DEGREES ANGLED CABLE OUPUT	M12
CAVO / CABLE CEI 20 22 II - L=5m	L90500	C90500	4 POLI / 4 POLES

**RIFERIMENTI CATARIFRANGENTI**
**REFLECTOR CODES**

Ø 50mm	Ø 80mm
SCT2	SCT4