

Fotocellule cilindriche M18 a barriera emettitore-ricevitore

M18 cylindrical beam type sender-receiver photoelectric sensors



- **Diametri 18 mm**
18 mm diameters
- **Custodia plastica o metallica**
Plastic or Metal housing
- **Portate: 15 m in c.c. e 10 m in c.a.**
Sensing distance: d.c. 15 m and a.c. 10 m
- **Versioni con ottica assiale (P e B) o radiale (PA e BA)**
Assial (P and B) or radial (PA and BA) optical versions
- **Versioni con uscita cavo e connettore M12**
Cable and M12 connector output
- **Versioni a 3 fili PNP - NPN NO - NC, 4 fili NO + NC e a 2 fili in c.a. NO - NC**
PNP - NPN - 3-wire NO - NC, 4-wire NO + NC and 2-wire a.c. NO - NC version

Caratteristiche versioni in c.c. - d.c. version features

Diametro sensore / Sensor diameter	M18
Emissione / Emission	IR MODULATO 880 nm / PULSED IR 880 nm
Tensione di alimentazione / Power supply	10 ÷ 30 Vcc / Vdc
Frequenza di commutazione / Switching frequency	30 Hz
Assorbimento / Power consumption	< 50 mA (PROIETTORE / SENDER) / < 25 mA (RICEVITORE / RECEIVER)
Carico massimo / Maximum load	250 mA
Caduta di tensione / Voltage drop	< 2 V @ 250 mA
Temperatura di funzionamento / Working temperature	-25°C ÷ +70°C
Grado di protezione / IP rating	IP65
Custodia metallica / Metal housing	OTTONE NICHELATO / NICKEL PLATED BRASS
Custodia plastica / Plastic housing	ABS
Materiale lenti / Lenses material	PMMA

Caratteristiche versioni in c.a. - a.c. version features

Diametro sensore / Sensor diameter	M18
Emissione / Emission	IR MODULATO 880 nm / PULSED IR 880 nm
Tensione di alimentazione / Power supply	20 ÷ 230 Vca / Vac
Frequenza di commutazione / Switching frequency	5 Hz
Assorbimento / Power consumption	< 20 mA (PROIETTORE / SENDER) / < 25 mA (RICEVITORE / RECEIVER)
Carico massimo / Maximum load	250 mA
Caduta di tensione / Voltage drop	< 5 V @ 250 mA
Temperatura di funzionamento / Working temperature	-25°C ÷ +70°C
Grado di protezione / IP rating	IP65
Custodia metallica / Metal housing	OTTONE NICHELATO / NICKEL PLATED BRASS
Custodia plastica / Plastic housing	ABS
Materiale lenti / Lenses material	PMMA

Collegamenti - Connections



Riferimenti ricevitori collegamento con cavo L = 2 m / Receivers references with cable L = 2 m

Custodia Housing	Dimensioni Dimensions		Distanza d'intervento Sensing distance	PNP - NO	NPN - NO	PNP NO + NC	NPN NO + NC	C.A. / A.C. NO
	A	B						
Plastica/ Plastic	77 mm	40 mm	15 m	OCV81/BPNO ^{(1) (2)}	OCV81/BNNO ^{(1) (2)}	OCV81/BPSC4 ^{(1) (2)}	OCV81/BNSC4 ^{(1) (2)}	-
Metallica/ Metal	77 mm	40 mm	15 m	OCV81/BPNOM ^{(1) (2)}	OCV81/BNNOM ^{(1) (2)}	OCV81/BPSC4M ^{(1) (2)}	OCV81/BNSC4M ^{(1) (2)}	-
Plastica/ Plastic	77 mm	40 mm	10 m	-	-	-	-	OCV81/BC3NO ^{(1) (2)}
Metallica/ Metal	77 mm	40 mm	10 m	-	-	-	-	OCV81/BC3NOM ^{(1) (2)}

Riferimenti ricevitori collegamento con connettore M12 / Receivers references with M12 connector

Custodia Housing	Dimensioni Dimensions		Distanza d'intervento Sensing distance	PNP - NO	NPN - NO	PNP NO + NC	NPN NO + NC	C.A. / A.C. NO
	A	B						
Plastica/ Plastic	86 mm	40 mm	15 m	OCV81/BPNO5 ^{(1) (2)}	OCV81/BNNO5 ^{(1) (2)}	OCV81/BPSC45 ^{(1) (2)}	OCV81/BNSC45 ^{(1) (2)}	-
Metallica/ Metal	86 mm	40 mm	15 m	OCV81/BPNOM5 ^{(1) (2)}	OCV81/BNNOM5 ^{(1) (2)}	OCV81/BPSC45M ^{(1) (2)}	OCV81/BNSC45M ^{(1) (2)}	-
Plastica/ Plastic	86 mm	40 mm	10 m	-	-	-	-	OCV81/BC3NO5 ^{(1) (2)}
Metallica/ Metal	86 mm	40 mm	10 m	-	-	-	-	OCV81/BC3NOM5 ^{(1) (2)}

Riferimenti proiettori collegamento con cavo L = 2 m / Senders references with cable L = 2 m

Custodia Housing	Dimensioni Dimensions		Distanza d'intervento Sensing distance	PNP	NPN	C.A. / A.C.
	A	B				
Plastica/ Plastic	77 mm	40 mm	15 m	OCV81/PP ⁽²⁾	OCV81/PN ⁽²⁾	-
Metallica/ Metal	77 mm	40 mm	15 m	OCV81/PM ⁽²⁾	OCV81/PM ⁽²⁾	-
Plastica/ Plastic	77 mm	40 mm	10 m	-	-	OCV81/PBC3 ⁽²⁾
Metallica/ Metal	77 mm	40 mm	10 m	-	-	OCV81/PBC3M ⁽²⁾
Plastica/ Plastic	87 mm	55 mm	0 ÷ 15 m	OCV81/PPR ⁽²⁾	OCV81/PNR ⁽²⁾	-
Metallica/ Metal	87 mm	55 mm	0 ÷ 15 m	OCV81/PRM ⁽²⁾	OCV81/PRM ⁽²⁾	-
Plastica/ Plastic	87 mm	55 mm	0 ÷ 10 m	-	-	OCV81/PBC3R ⁽²⁾
Metallica/ Metal	87 mm	55 mm	0 ÷ 10 m	-	-	OCV81/PBC3RM ⁽²⁾

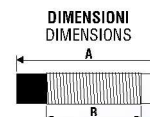
Riferimenti proiettori collegamento con connettore M12 / Senders references with M12 connector

Custodia Housing	Dimensioni Dimensions		Distanza d'intervento Sensing distance	PNP	NPN	C.A. / A.C.
	A	B				
Plastica/ Plastic	86 mm	40 mm	15 m	OCV81/PPC5 ⁽²⁾	OCV81/PNC5 ⁽²⁾	-
Metallica/ Metal	86 mm	40 mm	15 m	OCV81/PMC5 ⁽²⁾	OCV81/PMC5 ⁽²⁾	-
Plastica/ Plastic	86 mm	40 mm	10 m	-	-	OCV81/PBC3C5 ⁽²⁾
Metallica/ Metal	86 mm	40 mm	10 m	-	-	OCV81/PBC3MC5 ⁽²⁾
Metallica/ Metal	89 mm	40 mm	0 ÷ 15 m	OCV81/PRMC5 ⁽²⁾	OCV81/PRMC5 ⁽²⁾	-
Metallica/ Metal	89 mm	40 mm	0 ÷ 10 m	-	-	OCV81/PBC3RMC5 ⁽²⁾

(1) - Versione NC sostituire la "O" con la "G" / Replace "O" with "G" for NC version

(2) - Versione con ottica a 90° aggiungere prima della "P" la "A" / Add before the "P" "A" for 90° optics version

Per maggiori informazioni consultare il datasheet "ocv81b.pdf" presente sul sito web: www.selet.it / For more information see datasheet "ocv81b.pdf" on this web site: www.selet.it



Curve ottiche - Optical curves

Modello barriera Beam Type

