S45

Gamma estesa di sensori miniatura ad alta prestazione stile europeo "all in one family"

- Modelli LED e Laser con emissione a luce rossa
- Emissione esente da rischi con Laser di precisione in classe 1
- Tasteggio diffuso a LED fino a 800mm
- Soppressione di sfondo fino a 400mm
- Sbarramento fino a 15m Laser classe 1 / 7m LED emissione rossa
- Proiettore/ricevitore fino a 20m laser classe 1 / 15m LED emissione rossa
- Contenitore IP69K
- Cavo di 2m o versione in metallo M8 4 poli
- Uscita PNP o NPN con ingresso teach-in remoto
- Sensore di contrasto RGB ad alta velocità ed emissione bianca



SENSORS

APPLICAZIONI

-Macchine di lavorazione e confezionamento
-Industria cosmetica e farmaceutica
-Assemblaggio di componenti elettronici
-Linee di trasporto, movimentazione materiali
-Industria automotive
-Industria della stampa e della carta
-Rilevamento di piccoli particolari con la massima precisione



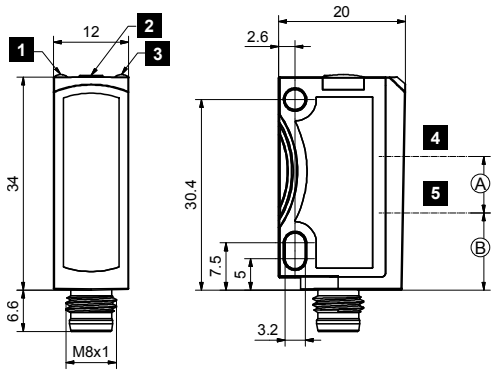
S45		
Proiettore/ricevitore		20m. (Laser Classe1) 15m. (LED rosso)
Sbarramento polarizzato		15m (Laser Classe1) 7m. (LED rosso)
Sbarramento autocollimato per oggetti trasparenti		2m (LED rosso)
Sbarramento autocollimato		2m (LED rosso)
Tasteggio diffuso		250mm (Laser Classe1) 800mm. (LED rosso)
Soppressione di sfondo		120mm (Laser Classe 1) 200mm. (LED rosso) 400mm (LED rosso)
Sensore di distanza		80mm (LED rosso) 200mm (LED rosso)
Sensore di contrasto		12mm (Bianco) 12mm. (RGB)
Alimentazione	Vcc	10...30 V
	Vca	
	Vca/Vcc	
Tipo di uscita	PNP	▪
	NPN	▪
	NPN/PNP	
	relè	
	altro	Push Pull (Wxx, Yxx), analogica 0...10 V (Yxx)
Collegamento	cavo	▪
	connettore	▪
	pig-tail	
Dimensioni indicative (mm)		34mm x 20mm. X 12mm.
Materiale contenitore		ABS (contenitore), PMMA (ottica)
Protezione meccanica		IP67 e IP69K

Sensori in miniatura - S45

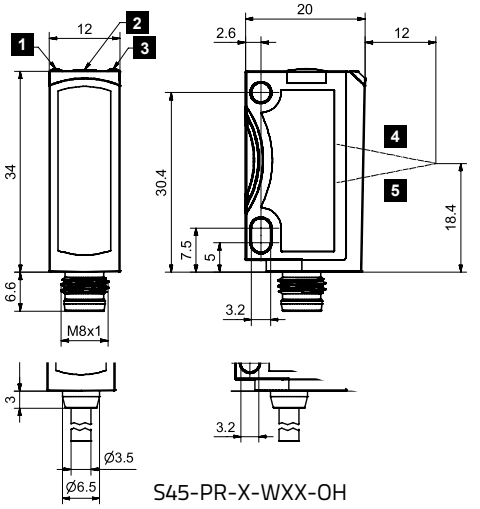
DATALOGIC

DATI TECNICI	
Alimentazione	10...30 Vcc
Tensione di ripple	10% max.
Assorbimento (esclusa corrente di carico)	≤ 30 mA
Emissione luminosa	LED rosso 632 nm, Laser rosso 650 nm
Impostazione	Pulsante TEACH-IN
Indicatori	LED verde tensione di esercizio LED giallo stato uscita
Tipo di uscita	NPN, PNP, Push Pull
Corrente di uscita	100 mA
Tensione di saturazione	2 V max
Tempo di risposta	500 µs 333 µs (C03 Laser) 250 µs (F/G Laser) 50 µs (W03, W33) 20 µs (W13, W43)
Frequenza di commutazione	≤ 1000Hz ≤ 1500Hz (C03 Laser) ≤ 2000 Hz (F/G Laser) ≤ 10 kHz (W03, W33) ≤ 25 kHz (W13, W43)
Collegamento	Connettore M8 4 poli in plastica, connettore M8 4 poli in metallo, cavo di 2 m
Rigidità dielettrica	500 Vca, 1min. tra componenti elettronici e contenitore
Resistenza d'isolamento	>20M OHM, 500 Vcc tra componenti elettronici e contenitore
Protezione elettrica	classe 2
Protezione meccanica	IP67 e IP69K
Reiezione alla luce ambiente	come prescritto da EN 60947-5-2
Vibrazioni	Ampiezza 0,5mm, frequenza 10...55Hz, per ogni asse (EN60068-2-6)
Resistenza agli urti	11 ms (30G) 6 shock per ogni asse (EN60068-2-27)
Materiale contenitore	ABS
Materiale lenti	PMMA
Temperatura di funzionamento	-20...+60 °C
Temperatura di immagazzinamento	-20...+80 °C
Peso	10g. con connettore, 40g. con cavo

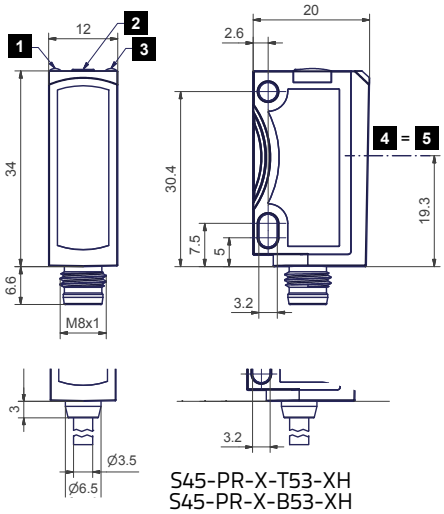
DIMENSIONI



	S45-PR-2(5)-M03 S45-PR-5-Y03	S45-PR-2(5)-M13 S45-PR-5-Y13	S45-PR-2(5)-C03 S45-PR-B03	S45-PH-5-M03	S45-PH-5-C03 S45-PH-B03	S45-PR-G00	S45-PH-G00	S45-PR(PH)-F03
A	9	11,75	10,8	8,8	8,8	11,5	13,5	
B	12,3	11	11,5	12,5	13,5			22,3



S45-PR-X-WXX-OH

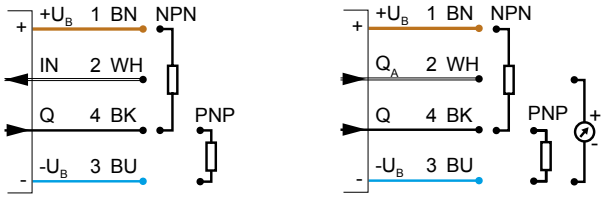


S45-PR-X-T53-XH
S45-PR-X-B53-XH

1	LED 1) giallo
2	Pulsante
3	LED 2) verde
4	Asse ricevitore
5	Asse emettitore

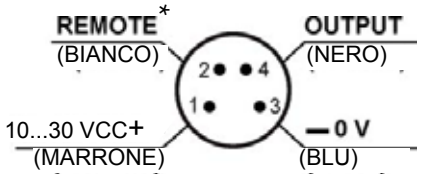
1) indicatore di uscita in commutazione
2) indicatore di tensione di esercizio

COLLEGAMENTI



WXX, YXX

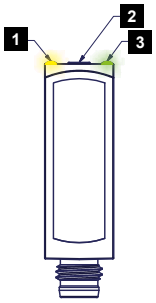
CONNETTORE M8

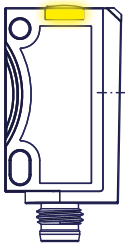


* Uscita analogica YXX

INDICATORS AND SETTINGS







1	LED 1) giallo
2	Pulsante
3	LED 2) verde

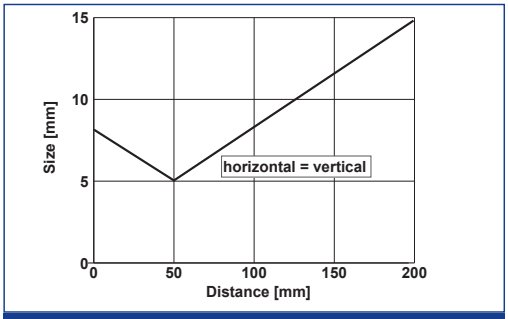
1) indicatore di uscita in commutazione

2) indicatore di tensione di esercizio

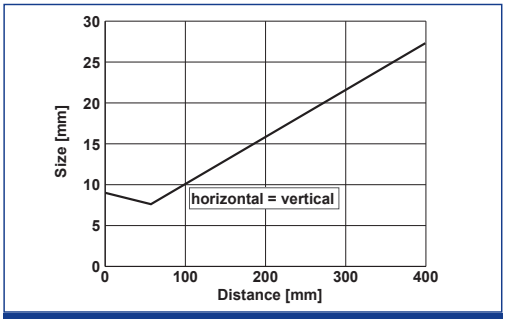
DETECTION DIAGRAMS

SOPPRESSIONE DI SFONDO

DIMENSIONE SPOT DI RILEVAMENTO

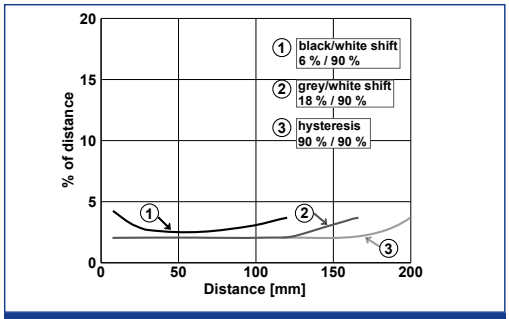


S45-PR-2(5)-M03-..

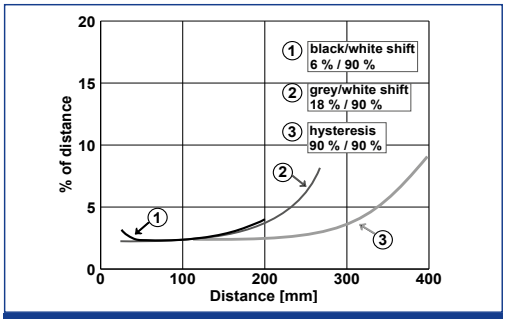


S45-PR-2(5)-M13-..

VARIAZIONE B/N



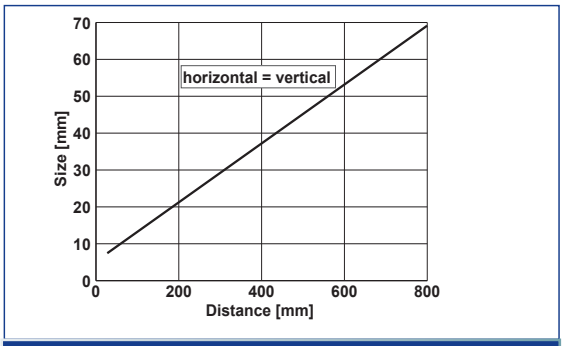
S45-PR-2(5)-M03-..



S45-PR-2(5)-M13-..

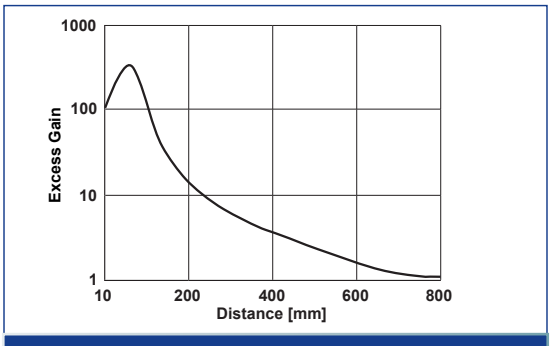
TASTEGGIO ENERGETICO

DIMENSIONE SPOT DI RILEVAMENTO



S45-PR-2(5)-C03-..

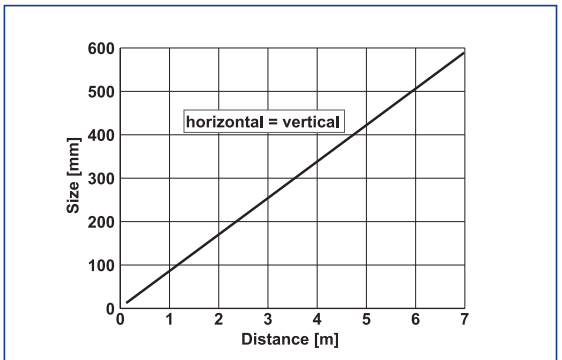
RISERVA DI SEGNALE



S45-PR-2(5)-C03-..

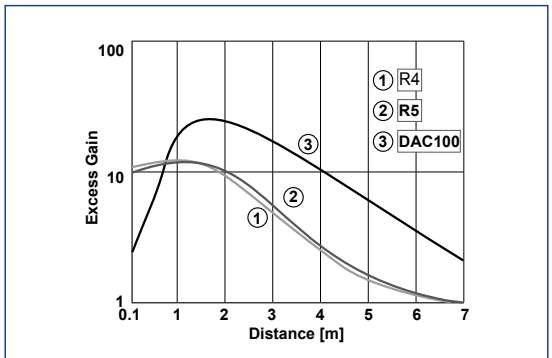
SBARRAMENTO POLARIZZATO

DIMENSIONE SPOT DI RILEVAMENTO



S45-PR-2(5)-B03-..

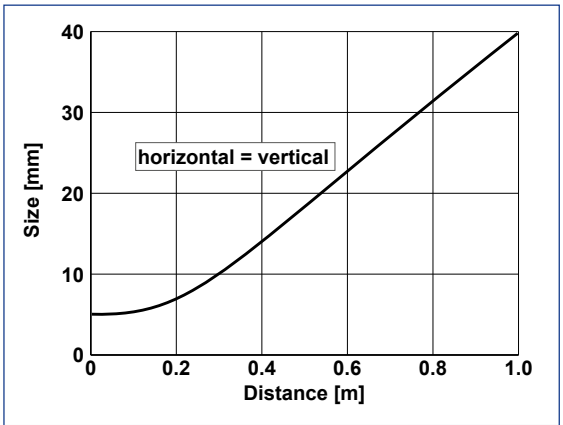
RISERVA DI SEGNALE



S45-PR-2(5)-B03-..

SBARRAMENTO POLARIZZATO COASSIALE

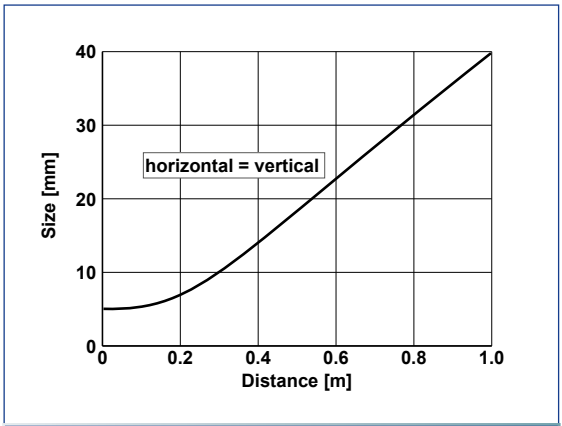
DIMENSIONE SPOT DI RILEVAMENTO



S45-PR-5-B53-..

SBARRAMENTO A RETRORIFLESSIONE PER TRASPARENTI

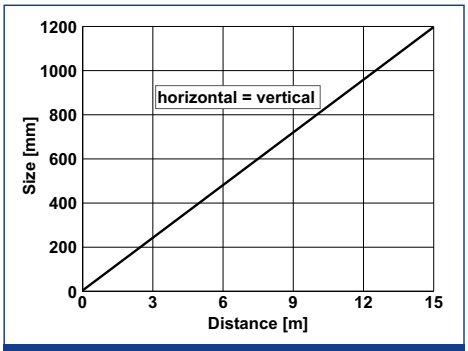
DIMENSIONE SPOT DI RILEVAMENTO



S45-PR-2(5)-T53-..

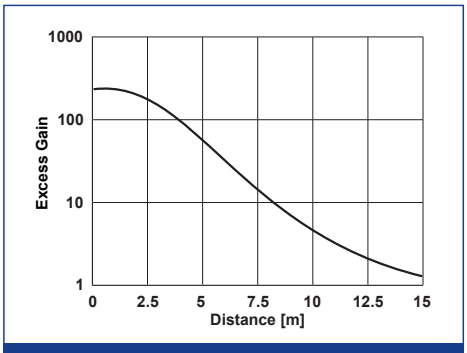
PROIETTORE/RICEVITORE

DIMENSIONE SPOT DI RILEVAMENTO



S45-PR-2(5)-F03-../S45-PR-2(5)-G00-XE

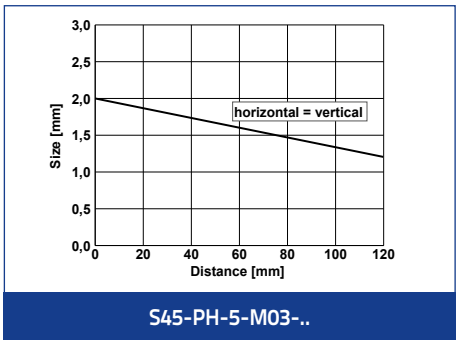
RISERVA DI SEGNALE



S45-PR-2(5)-F03-../S45-PR-2(5)-G00-XE

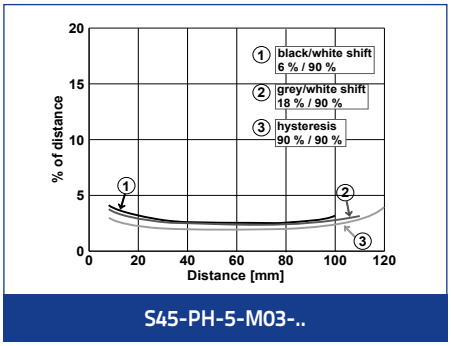
SOPPRESSIONE DI SFONDO LASER

DIMENSIONE SPOT DI RILEVAMENTO



S45-PH-5-M03-..

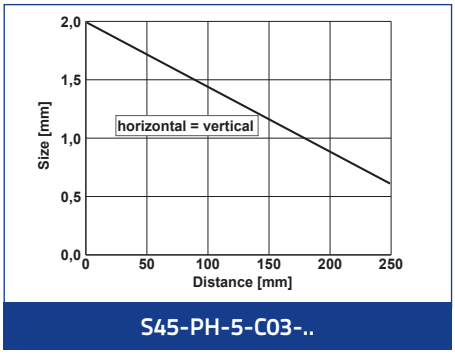
B/W SHIFT



S45-PH-5-M03-..

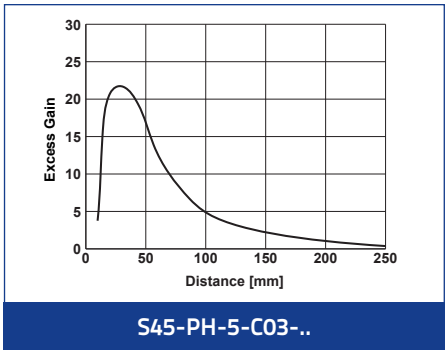
TASTEGGIO ENERGETICO LASER

DIMENSIONE SPOT DI RILEVAMENTO



S45-PH-5-C03-..

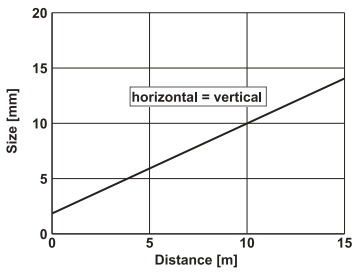
RISERVA DI SEGNALE



S45-PH-5-C03-..

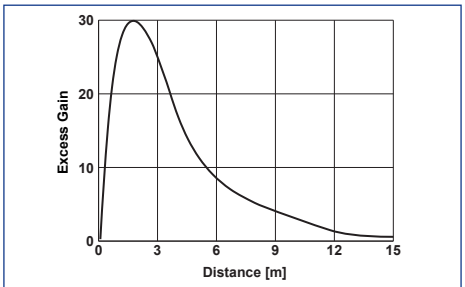
SBARRAMENTO POLARIZZATO LASER

DIMENSIONE SPOT DI RILEVAMENTO



S45-PH-5-B03-..

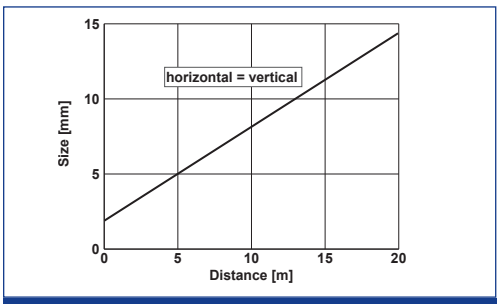
RISERVA DI SEGNALE



S45-PH-5-B03-..

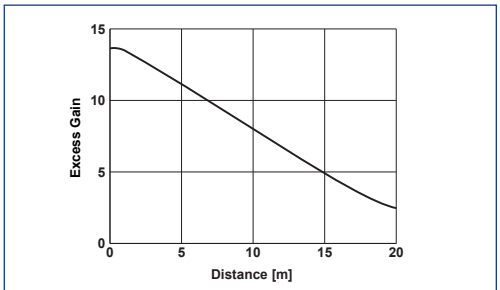
PROIETTORE/RICEVITORE LASER

DIMENSIONE SPOT DI RILEVAMENTO



S45-PH-5-F03-../S45-PH-5-G00-XE

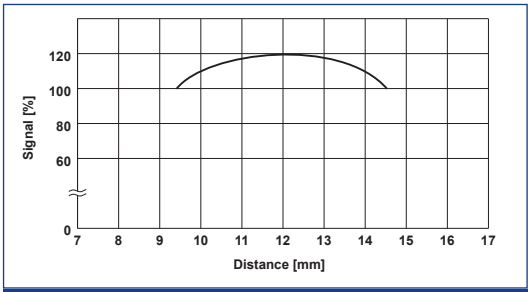
RISERVA DI SEGNALE



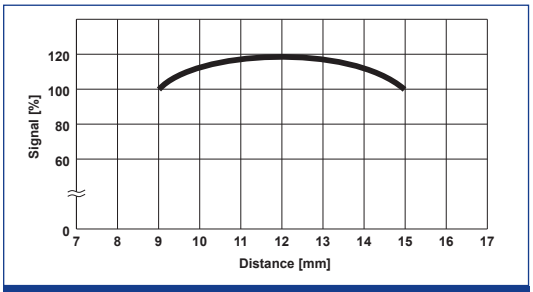
S45-PH-5-F03-../S45-PH-5-G00-XE

SENSORE DI CONTRASTO

SCHEMA DI LETTURA



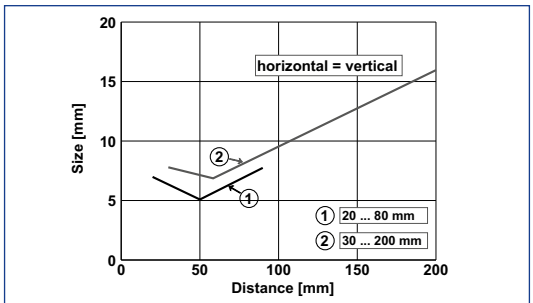
S45-PR-5-W13/-W03-..



S45-PR-5-W43/-W33-..

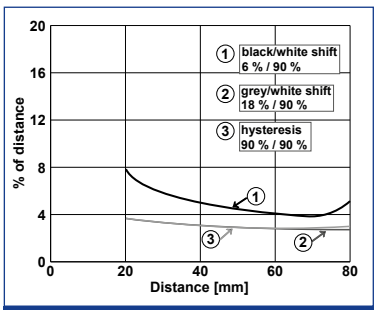
SENSORE DI DISTANZA

DIMENSIONE SPOT DI RILEVAMENTO

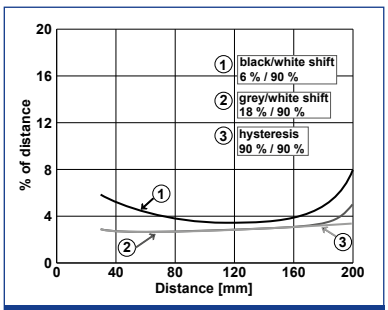


S45-PR-5-Y03/-Y13-..

CARATTERISTICHE DI SCANSIONE



S45-PR-5-Y03-.. (caratteristica Q)

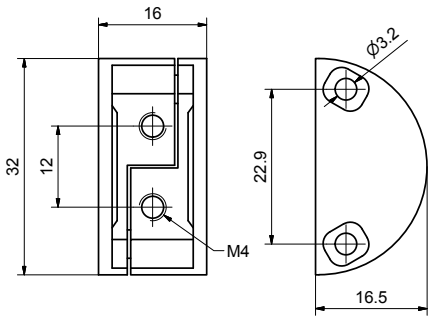


S45-PR-5-Y13-.. (caratteristica Q)

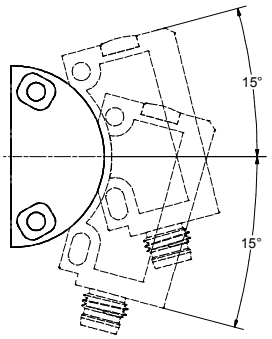
TABELLA DI SELEZIONE MODELLI E CODICI D'ORDINE

FUNZIONE OTTICA	EMISSIONE	COLLEGAMENTO	USCITA	MODELLO	N° ORDINE
Tasteggio diffuso	LED	Cavo 2m	PNP	S45-PR-2-C03-PH	950411220
			NPN	S45-PR-2-C03-NH	950411210
		M8	PNP	S45-PR-5-C03-PH	950411240
			NPN	S45-PR-5-C03-NH	950411230
	LASER	M8	PNP	S45-PH-5-C03-PH	950411260
			NPN	S45-PH-5-C03-NH	950411250
Sbarramento polarizzato	LED	Cavo 2m	PNP	S45-PR-2-B03-PH	950411100
			NPN	S45-PR-2-B03-NH	950411090
		M8	PNP	S45-PR-5-B03-PH	950411120
			NPN	S45-PR-5-B03-NH	950411110
	LASER	M8	PNP	S45-PH-5-B03-PH	950411140
			NPN	S45-PH-5-B03-NH	950411130
Sbarramento polarizzato autocollimato per oggetti trasparenti	LED	Cavo 2m	PNP	S45-PR-2-T53-PH	950411160
			NPN	S45-PR-2-T53-NH	950411150
		M8	PNP	S45-PR-5-T53-PH	950411180
			NPN	S45-PR-5-T53-NH	950411170
Sbarramento polarizzato autocollimato	LED	M8	PNP	S45-PR-5-B53-PH	950411200
			NPN	S45-PR-5-B53-NH	950411190
Proiettore/ricevitore	LED	Cavo 2m	-	S45-PR-2-G00-XE	950411000
			PNP	S45-PR-2-F03-PH	950411020
			NPN	S45-PR-2-F03-NH	950411010
		M8	-	S45-PR-5-G00-XE	950411030
			PNP	S45-PR-5-F03-PH	950411050
			NPN	S45-PR-5-F03-NH	950411040
	LASER	M8	-	S45-PH-5-G00-XE	950411060
			PNP	S45-PH-5-F03-PH	950411080
			NPN	S45-PH-5-F03-NH	950411070
Soppressione di sfondo 200mm	LED	Cavo 2m	PNP	S45-PR-2-M03-PH	950411280
			NPN	S45-PR-2-M03-NH	950411270
		M8	PNP	S45-PR-5-M03-PH	950411300
			NPN	S45-PR-5-M03-NH	950411290
Soppressione di sfondo 400mm	LED	Cavo 2m	PNP	S45-PR-2-M13-PH	950411320
			NPN	S45-PR-2-M13-NH	950411310
		M8	PNP	S45-PR-5-M13-PH	950411340
			NPN	S45-PR-5-M13-NH	950411330
Laser a soppressione di sfondo	LASER	M8	PNP	S45-PH-5-M03-PH	950411360
			NPN	S45-PH-5-M03-NH	950411350
Sensore di distanza	LED	M8	PNP	S45-PR-5-Y03-PV	950411380
			NPN	S45-PR-5-Y03-NV	950411370
Sensore di distanza	LED	M8	PNP	S45-PR-5-Y13-PV	950411400
			NPN	S45-PR-5-Y13-NV	950411390
Sensore di contrasto10kHz	BIANCO	M8	PUSH-PULL	S45-PR-5-W03-OH	950411420
	RGB		PUSH-PULL	S45-PR-5-W13-OH	950411410
Sensore di contrasto 25kHz	BIANCO	M8	PUSH-PULL	S45-PR-5-W33-OH	950411440
	RGB		PUSH-PULL	S45-PR-5-W43-OH	950411430

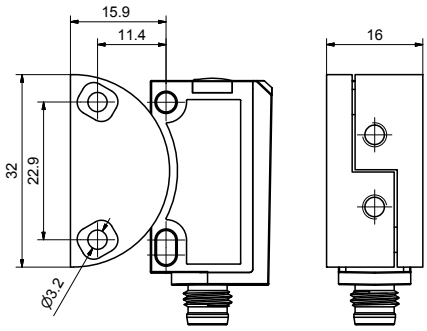
ACCESSORI



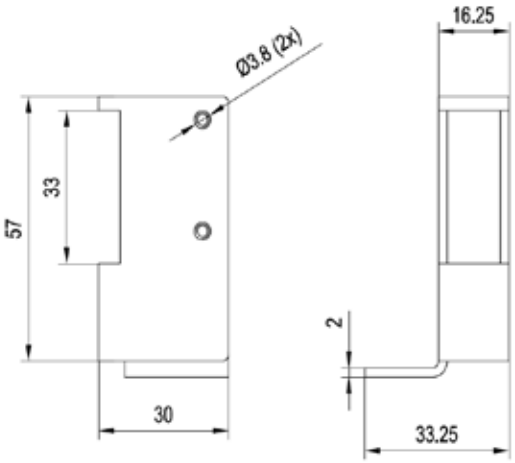
ST-S45-DVT

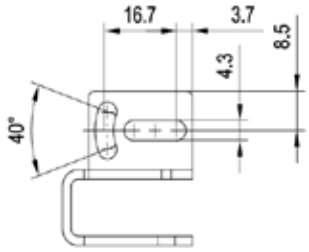


ST-S45-DVT



ST-S45-DVT





ST-MINI-PRO

MODELLO	DESCRIZIONE	N° ORDINE
ST-S45-DVT	STAFFA A CODA DI RONDINE S45	95ACC7970
ST-MINI-PRO	STAFFA DI MINIPROTEZIONE	95ACC7980

CAVI

TIPO	DESCRIZIONE	LUNGHEZZA	MODELLO	N° ORDINE
Connettore M8 assiale	4 poli, grigio, PVC	3 m	CS-B1-02-G-03	95A251420
		5 m	CS-B1-02-G-05	95A251430
		7 m	CS-B1-02-G-07	95A251440
		10 m	CS-B1-02-G-10	95A251480
	4 poli, PUR	2 m	CS-B1-02-R-02	95A251620
		5 m	CS-B1-02-R-05	95A251640
Connettore M8 radiale	4 poli, grigio, PVC	3 m	CS-B2-02-G-03	95A251450
		5 m	CS-B2-02-G-05	95A251460
		7 m	CS-B2-02-G-07	95A251470
		10 m	CS-B2-02-G-10	95A251530
	4 poli, PUR	2 m	CS-B2-02-R-02	95A251630
		5 m	CS-B2-02-R-05	95A251650