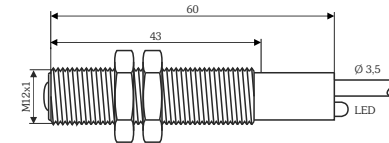
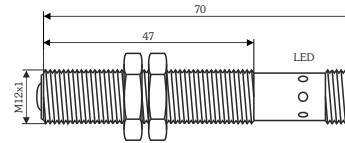


Einweglichtschränke Serie 12



GSA/GEA 12-S4

- Bauform M12x1 mit M12-Stecker oder Festkabel
- Reichweite 0...15m
- integrierter Verstärker
- großer Öffnungswinkel
- hohe Schutzart
- voll vergossen
- Ausgang programmierbar
- Sender mit Testeingang



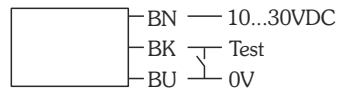
Technische Daten

Reichweite	0...15m
Betriebsspannung	10...30VDC
Leistungsaufnahme	Sender: max. 0,9W Empfänger: max. 0,3W
Lichtart	IR, 880nm
Öffnungswinkel	16° Vollwinkel
Zusatzfunktionen	Sender: Testeingang Empfänger: hell/dunkel programmierbar

Anzeigen	Sender: LED grün Empfänger: LED rot
Ausgang	PNP, max. 500mA kurzschlussfest
Schaltfrequenz	200Hz
Schutzart	IP67, voll vergossen
Betriebstemperatur	-25...+55°C
Gehäusematerial	Messing, vernickelt
Anschlussart	M12x1 Stecker, 4polig oder PVC Leitung 3 x 0,25mm ²

Anschlussbelegung

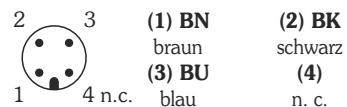
Sender



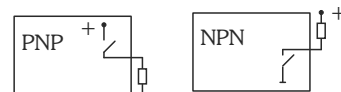
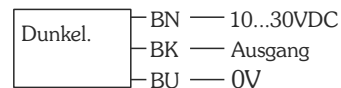
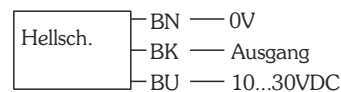
Festkabel

BN	BK	BU
braun	schwarz	blau

Stecker



Empfänger



Bestellbezeichnung

mit Stecker

Sender	
GSA 12-S4	314299

Empfänger

GEA 12P-S4	314317
GEA 12N-S4	314318

mit Festkabel

Sender	
GSA 12-3m	314294
GSA 12-6m	314296
GSA 12-10m	314297

Empfänger

GEA 12P-3m	314308
GEA 12P-6m	314310
GEA 12P-10m	314311
GEA 12N-3m	314312
GEA 12N-6m	314313
GEA 12N-10m	314314

Ausgang/Leitungslänge

PNP-Ausgang
NPN-Ausgang

Ausgang/Leitungslänge

Kabel 3m
Kabel 6m
Kabel 10m

PNP, Kabel 3m
PNP, Kabel 6m
PNP, Kabel 10m
NPN, Kabel 3m
NPN, Kabel 6m
NPN, Kabel 10m

Zubehör



Konformitätserklärung

EMV Richtlinie 2004/108/EG
EN 61000-6-2 und EN 61000-6-3



Series 12 through-beam photo-electric switch



GSA / GEA 12-S4

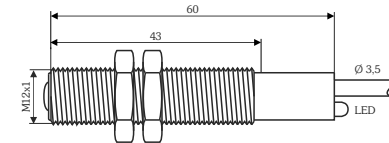
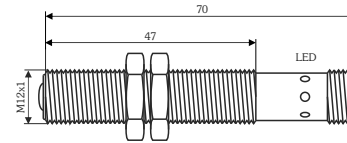
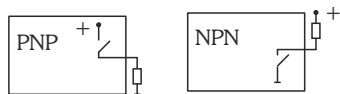
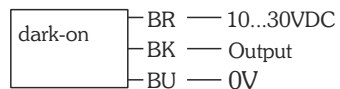
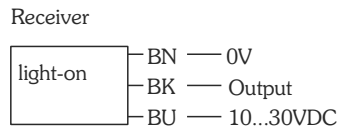
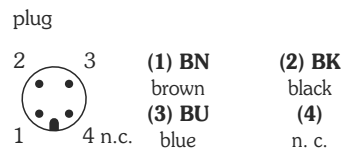
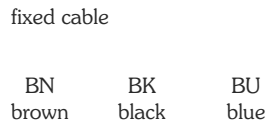
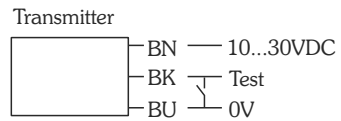
- design M12x1 with M12-4pin plug or fixed cable
- range 0...15m
- integral amplifier
- wide sensing angle
- high degree of protection
- fully epoxy resin filled
- programmable output
- transmitter with test input



Technical data

range	0...15m	indicators	transmitter: LED green receiver: LED red
operating voltage	10...30VDC	output	PNP, max. 500mA short-circuit protected
power consumption	transmitter: max. 0,9W receiver: max. 0,3W	switching frequency	200Hz
type of light	IR, 880nm	degree of protection	IP67, fully epoxy resin filled
aperture angle	16° full angle	operating temp.	-25...+55°C
features	transmitter: test input receiver: light/dark on programmable	casing material	nickel-plated brass
		type of connection	M12x1 4-pin plug or PVC cable 3x0,25mm ²

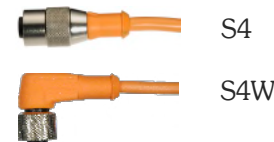
Terminal assignments



Ordering details

with plug		
Transmitter		output/cable length
GSA 12-S4	314299	
Receiver		
GEA 12P-S4	314317	PNP-output
GEA 12N-S4	314318	NPN-output
with fixed cable		
Transmitter		output/cable length
GSA 12-3m	314294	cable 3m
GSA 12-6m	314296	cable 6m
GSA 12-10m	314297	cable 10m
Receiver		
GEA 12P-3m	314308	PNP, cable 3m
GEA 12P-6m	314310	PNP, cable 6m
GEA 12P-10m	314311	PNP, cable 10m
GEA 12N-3m	314312	NPN, cable 3m
GEA 12N-6m	314313	NPN, cable 6m
GEA 12N-10m	314314	NPN, cable 10m

Accessories



Declaration of conformity
EMC directive 2004/108/EEC
EN 61000-6-2 and EN 61000-6-3

