

SM2A312FPQD

Opto-Sensor – Lichtleiter-Sensor für Kunststofflichtleiter



Merkmale

- Kabel, PVC, 2 m
- Schutzart IP67
- Empfindlichkeit über Potentiometer einstellbar
- Justageanzeige
- Betriebsspannung: 24...240 VAC
- Bipolarer Schaltausgang
- hell-/dunkelschaltend

Anschlussbild



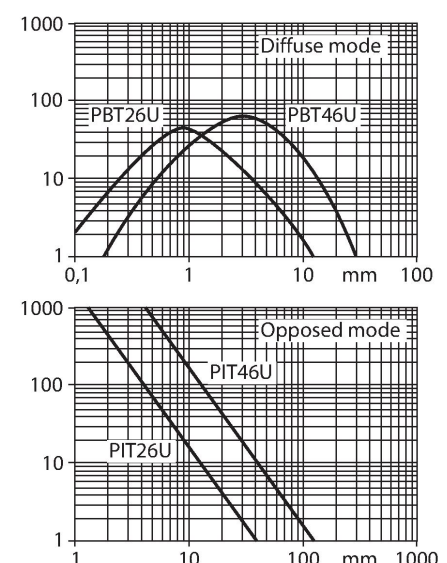
Technische Daten

Typ	SM2A312FPQD
Ident-No.	3026844
Optische Daten	
Funktion	Lichtleiter-Sensor
Betriebsart	Kunststofflichtleiter
Lichtleiterart	Kunststoff
Lichtart	Rot
Wellenlänge	650 nm
Elektrische Daten	
Betriebsspannung	24...240 VAC
Ausgangsfunktion	Relaisausgang
Bereitschaftsverzug	≤ 300 ms
Ansprechzeit typisch	< 4 ms
Einstellmöglichkeit	Potentiometer
Mechanische Daten	
Bauform	Quader, Mini Beam
Gehäusewerkstoff	Kunststoff, Thermoplastischer Kunststoff, gelb
Linse	Kunststoff, Acryl
Elektrischer Anschluss	Steckverbinder, 1/2", PVC
Aderzahl	3
Umgebungstemperatur	-20...+70 °C
Relative Luftfeuchtigkeit	0...90 %
Schutzart	IP67
Besondere Merkmale	Wash down
Anzeige der Funktionsreserve	LED

Funktionsprinzip

Bei beengten Einbaubedingungen oder bei hohen Temperaturen, sind oft Glas- oder Kunststoff-Lichtwellenleiter die optimale Lösung. Lichtwellenleiter leiten das Licht vom Sensor zu einem entfernten Objekt. Mit Einzel-Lichtleitern lassen sich Einweglichtschranken und mit Gabel-Lichtleitern Reflexionslichttaster erzeugen.

Reichweitenkurve
Funktionsreserve in Abhängigkeit von der Reichweite

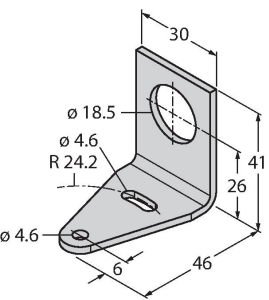


Technische Daten

Tests/Zulassungen	
Zulassungen	CE, cURus, CSA

Montagezubehör

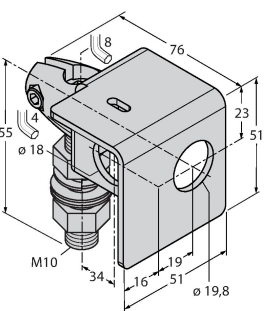
SMB18A 3033200



Technical drawing of the SMB18A mounting bracket. It is a right-angled bracket made of stainless steel. Dimensions include a vertical leg of 30mm, a horizontal leg of 46mm, and a base thickness of 6mm. A circular hole with a diameter of 18.5mm is located on the vertical leg. A smaller hole with a diameter of 4.6mm is on the horizontal leg. A fillet with a radius of R24.2 is shown at the corner. The mounting hole has a diameter of 18mm.

Montagehalterung, rechtwinklig, Edelstahl, für Sensoren mit 18-mm-Gewinde

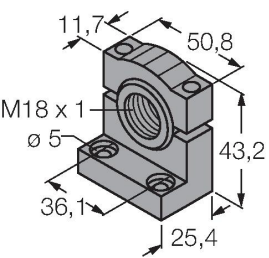
SMB18AFAM10 3012558



Technical drawing of the SMB18AFAM10 mounting bracket. It is a 3D perspective view of a bracket made of VA 1.4401. Dimensions include a vertical leg of 76mm, a horizontal leg of 51mm, and a base thickness of 16mm. A circular hole with a diameter of 18mm is located on the vertical leg. A smaller hole with a diameter of 4.3mm is on the horizontal leg. The mounting hole has a diameter of 18mm and a thread of M10 x 1.5.

Montagewinkel, Werkstoff VA 1.4401, für 18mm-Gewinde, Gewinde M10 x 1,5

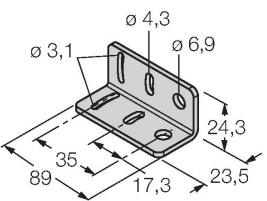
SMB18SF 3052519



Technical drawing of the SMB18SF mounting bracket. It is a 3D perspective view of a bracket made of PBT-black. Dimensions include a vertical leg of 50.8mm, a horizontal leg of 43.2mm, and a base thickness of 25.4mm. A circular hole with a diameter of 18mm is located on the vertical leg. A smaller hole with a diameter of 5mm is on the horizontal leg. The mounting hole has a diameter of 18mm and a thread of M18 x 1.

Montagehalterung, PBT-schwarz, für Sensoren mit 18-mm-Gewinde, ausrichtbar

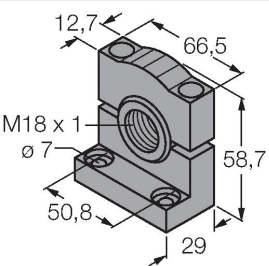
SMB312B 3025519



Technical drawing of the SMB312B mounting bracket. It is a 3D perspective view of a bracket made of stainless steel. Dimensions include a vertical leg of 24.3mm, a horizontal leg of 23.5mm, and a base thickness of 17.3mm. A circular hole with a diameter of 18mm is located on the vertical leg. A smaller hole with a diameter of 3.1mm is on the horizontal leg. The mounting hole has a diameter of 18mm and a thread of M18 x 1.

Montagewinkel, Edelstahl, für Bauform MINI-BEAM NAMUR

SMB3018SC 3053952



Technical drawing of the SMB3018SC mounting bracket. It is a 3D perspective view of a bracket made of PBT-black. Dimensions include a vertical leg of 66.5mm, a horizontal leg of 58.7mm, and a base thickness of 29mm. A circular hole with a diameter of 18mm is located on the vertical leg. A smaller hole with a diameter of 7mm is on the horizontal leg. The mounting hole has a diameter of 18mm and a thread of M18 x 1.

Montagewinkel, PBT-schwarz, für 18mm Gewinde