

GLASS FIBRE OPTICS

Description

- Ideal for use in explosive areas
- Insensitive to electromagnetic and capacitive influence
- High temperature operation
- Various adaptor types
- Wide variety of sensing tip designs
- Bifurcated or individual fibre construction
- Silicone or stainless steel sleeves



Technical Data

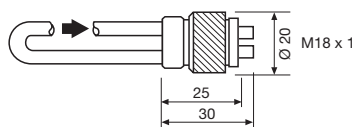
Cover	Silicone / Stainless Steel (AISI 304 / 1.4301)	
Sheath material	Stainless Steel (AISI 304 / 1.4301)	
Sealing	IP 67	
Strand diameter	50 μ m	
Bundle diameter	1,0; 2,3; 3,5; 4,0; 4,5 mm	
Opening angle	67°	
Adaptor Material	Stainless Steel (AISI 304 / 1.4301)	
Bending Radius	> 5 x cover diameter	
Temperature, Operation	Silicone	-40 to +180 °C
	Stainless Steel	-40 to +300 °C

Available types for SMPF 7000 and SMPF 8000 Series

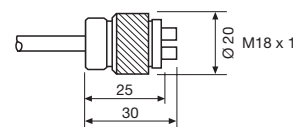
Sensing End Tip Dimensions	Active Ø	Adaptor Type	Sensing Mode	Range	Sleeve Material	Silicone	Stainless Steel
					Cable Length	Order Reference	
	1,0 mm	C	Thru Beam	10 cm	0,6 m	LLS 1300	LLM 1300
		D	Diffuse Proximity	0,4 cm		LYS 1301	LYM 1301
	1,0 mm	D	Diffuse Proximity	0,4 cm		LYS 1323	LYM 1323
		C	Thru Beam	60 cm		LLS 1304	LLM 1304
	2,3 mm	D	Diffuse Proximity	2,5 cm		LYS 1305	LYM 1305
		C	Thru Beam	60 cm		LLS 1302	LLM 1302
	2,3 mm	D	Diffuse Proximity	2,5 cm		LYS 1303	LYM 1303
		C	Thru Beam	75 cm		LLS 1310	LLM 1310
	3,5 mm	D	Diffuse Proximity	6 cm		LYS 1307	LYM 1307
		C	Thru Beam	9 cm		LLS 1312	LLM 1312
	1,0 mm	D	Diffuse Proximity	0,3 cm	LYS 1313	LYM 1313	
		C	Thru Beam	55 cm	LLS 1314	LLM 1314	
	2,3 mm	D	Diffuse Proximity	2,5 cm	LYS 1315	LYM 1315	
		C	Thru Beam	45 cm	LLS 1318	LLM 1318	
	2,3 mm	D	Diffuse Proximity	2,5 cm	LYS 1317	LYM 1317	
		C	Thru Beam	50 cm	LLS 1362	LLM 1362	
	0,3 x 20 mm	D	Diffuse Proximity	2 cm	LYS 1371	LYM 1371	
		C	Thru Beam	20 cm	LLS 1370	LLM 1370	
		C	Thru Beam	20 cm	1,5 m	LLS 1370	LLM 1370

Aluminium

Adaptor Type C – Individual Fibre Construction



Adaptor Type D – Bifurcated Fibre Construction



(Units in mm)

GLASS FIBRE OPTICS

Available types for Remote Photoelectric Systems

Sensing End Tip Dimensions	Active Ø	Adaptor Type	Sensing Mode	Range	Sleeve Material		
					Silicone	Stainless Steel	
					Cable Length	Order Reference	
	4,0 mm	A	Thru Beam	8 m	0,5 m	LLS 1306	LLM 1306
				6 m	1,5 m	LLS 1326	LLM 1326
				7 m	1,0 m	LLS 1308	LLM 1308
	4,5 mm	B	Diffuse Proximity	0,7 m	0,5 m	LYS 1309	LYM 1309
				0,6 m	1,0 m	LYS 1311	LYM 1311
	2,3 mm	A	Thru Beam	2,5 m	1,5 m	LLS 1316	LLM 1316
	0,3 x 20 mm			1,4 m	0,6 m	LLS 1374	LLM 1374
				1,25 m	1,0 m	LLS 1368	LLM 1368
Adaptor Type A – Individual Fibre Construction 				Adaptor Type B – Bifurcated Fibre Construction 			

(Units in mm)

Note: Range specified using PA 11 amplifier (page 28) in combination with Remote Sensor Series 100 (page 15).

Telco reserves the right to change specifications without notice.