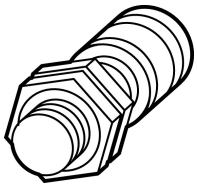


Proximity switch, inductive, Sn=5mm, 2L, 20-250VAC, 1W, M18, insulated material, line 2m

Part no. LSI-R18P-F5-LA
Article no. 281953
Catalog No. -

Delivery programme

Basic function			Inductive proximity switches
Part group reference			LSI
Voltage type			AC voltage
Contacts	N/O = normally open contact, C/O = changeover contact, P = programmable as N/C or N/O		S
Rated switching distance	S_n	mm	5
Rated operating voltage	U_e	V AC	20 - 250
Style		mm	M18 x 1
Housing			Insulated material
Terminal connection			2 m connection cable
Fitting in metal			Flush

Notes

All LSI-…A feature an LED function indicator.

Connection diagram,

2-wire AC configuration:

Leerwert
Standard-
sprache
(Datei inaktiv)

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature		°C	25 - 70
Degree of Protection			IP67

Characteristics

Rated switching distance	S_n	mm	5
Repetition accuracy of S_n		%	2
Temperature drift of S_n		%	< 10
Switching hysteresis of S_n		%	15
Rated operating voltage	U_e	V AC	20 - 250
Supply frequency			
Range		Hz	50 - 60
Max. operating frequency (resistive load)	I_e	mA	< 400
Rated operational current min.	I_e	mA	2
Voltage drop at I_e	U_d	V	6
Readiness delay	t_v	ms	300
Operating frequency at resistive load	f	Hz	15 (150 mA)
Short-time current (10 ms, 5 Hz)		A	8
Residual current through the load in the blocked state at 230 V AC and 24 V DC	I_r	mA	1.7
Switching state display		LED	Yellow

Notes

UL file: E244290

Rated switching distance S_n [mm] for LSI

In accordance with the applicable standards, rated switching distance S_n is relative to a standard calibrating plate made of St 37 with a thickness of 1 mm and dimensions of W x H.

LSI…R: E x H = Device diameter

LSI…Q: E x H = Edge length

- Deviation in the type, size and shape of the approaching metal object
- Ambient temperature
- Different alloys

Ideal band

Leerwert
Standard-
sprache
(Datei inaktiv)

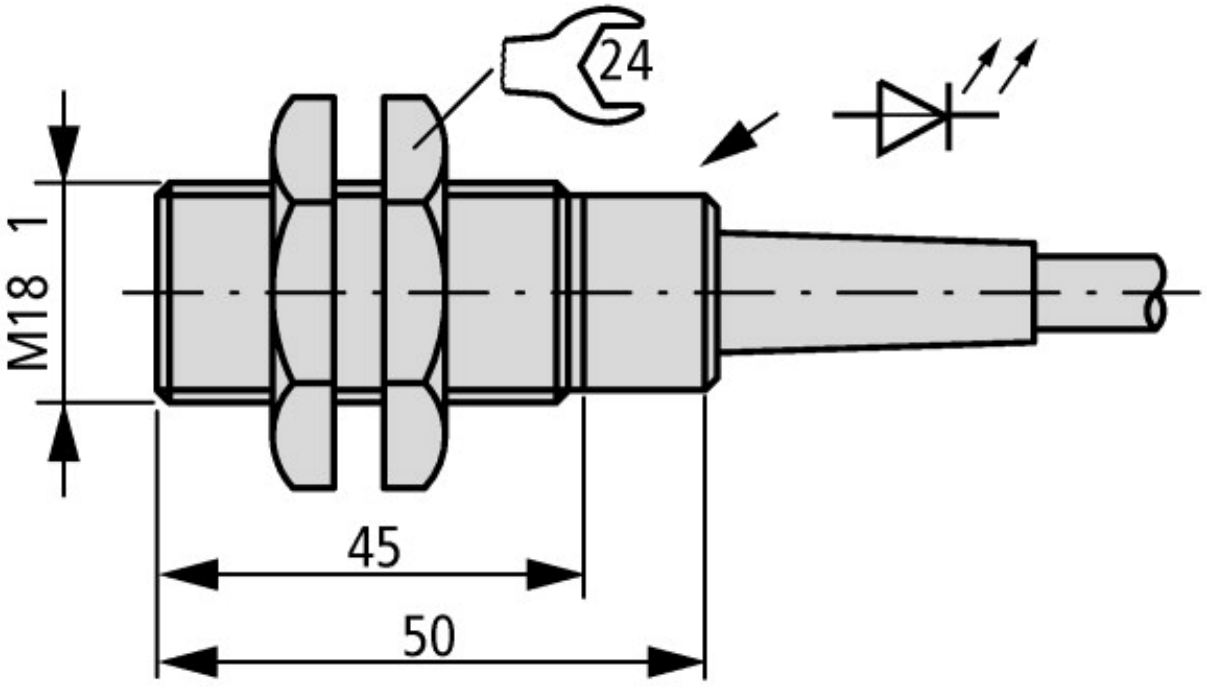
Correction factor with LSI:

Steel St 37		1.0	x S_n
Nickel chrome	Approx.	0.9	x S_n
Brass	Approx.	0.5	x S_n
Aluminium	Approx.	0.45	x S_n
Copper	Approx.	0.4	x S_n
Galvanized sheet steel	Approx.	0.85	x S_n
Stainless-steel depending on the alloy		1.0 - 0.1	x S_n

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	25
Operating ambient temperature max.		°C	70

Dimensions



Additional product information (links)

AWA1360-2156 Inductive Proximity Switches	
	AWA1360-2156 Inductive Proximity Switches