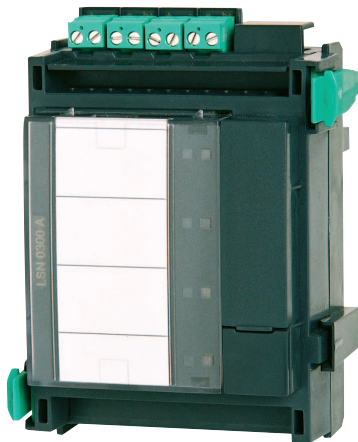
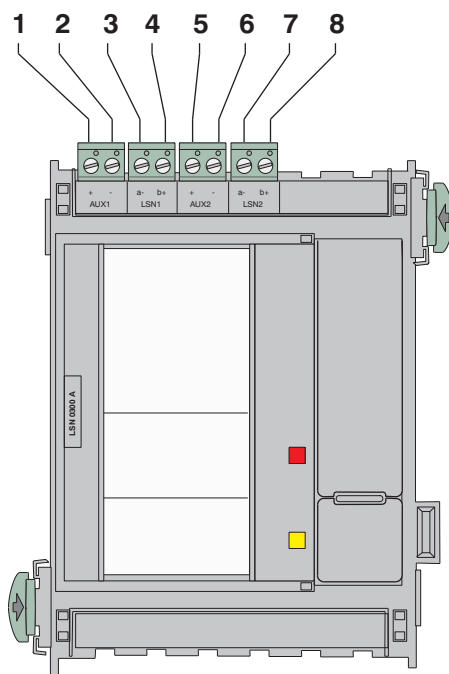


LSN 0300 A LSN bus module, 300mA



This module allows the connection of an LSN loop with up to 254 LSN improved elements or 127 classic LSN elements, with a maximum line current of 300 mA.

System overview



- ▶ Up to 254 LSN improved elements
- ▶ Line length up to 1600 m, depending on configuration and cable type
- ▶ Unshielded cable can be used
- ▶ Line current up to 300 mA, depending on configuration and cable type
- ▶ Flexible network structures (loop, stub, and T-tap)
- ▶ Addressing techniques: LSN improved auto-addressing, LSN classic auto-addressing and manual address assignment

Item Description Connection

		LSN loop	LSN stub
1 / 2	AUX1 + / -	Auxiliary power supply	Auxiliary power supply stub 1
3	LSN a1-	LSN a1- outgoing	Stub 1 LSN a1-
4	LSN b1+	LSN b1+ outgoing	Stub 1 LSN b1+
5 / 6	AUX2 + / -	Auxiliary power supply	Auxiliary power supply stub 2
7	LSN a2-	LSN a2- incoming	Stub 2 LSN a1-
8	LSN b2+	LSN b2+ incoming	Stub 2 LSN b1+

Installation/configuration notes

i Notice

Current consumption of the connected devices and cable length can be calculated with the Safety Systems Designer (SSD).

- Country-specific standards and guidelines must be considered during planning.
- For operation of the fire detection system according to EN 54-13, it is necessary to terminate every stub and T-tap with EOL-modules.

Parts included

Quantity	Component
1	LSN 0300 A LSN improved Module 300 mA

Technical specifications

Electrical systems

Input voltage	20 V DC to 30 V DC / 5 V DC $\pm$ 5 %
Output voltage:	
• LSN	30 $\pm$ 1.0 V DC
• Aux auxiliary power	28 $\pm$ 1.0 V DC
Max. current consumption	1750 mA at 24 V DC
Nominal current consumption	
• Module	39 mA at 24 V DC
• LSN	1,7 x current consumption of LSN elements
• AUX	1,2 x Auxiliary power
LSN line current	Max. 300 mA, depending on configuration and cable type
AUX auxiliary power (28 V DC)	Max. 2 x 500 mA

Mechanical systems

Operation/display elements	2 LEDs (red = alarm, yellow = fault) 1 button (LED test)
Housing material	ABS plastic, (UL94 V-0)
Housing color	Satin finish, anthracite, RAL 7016
Dimensions	Approx. 127 x 96 x 60 mm
Weight	Approx. 225 g

System limits

Max. line length	1600 m, depending on configuration and cable type
Number of elements	Max. 127 classic LSN elements Max. 254 LSN improved elements

Environmental conditions

Permissible operating temperature	-5 °C to 50 °C
Permitted storage temperature	-20 °C to 60 °C
Permitted relative humidity	95 % , non-condensing
Protection class as per IEC 60529	IP 30

Ordering information

LSN 0300 A LSN bus module, 300mA

for connecting an LSN loop with up to 254 LSN improved elements or 127 classic LSN elements, with a maximum line current of 300 mA

Order number **LSN 0300 A | 4.998.137.277**

Accessories

FLM-420-EOL2W-W End-of-line module 2-wire LSN wall-mount

for termination of 2-wire LSN line with Extended Line Supervision (ELS), for wall-mounting

Order number **FLM-420-EOL2W-W | F.01U.096.884**

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