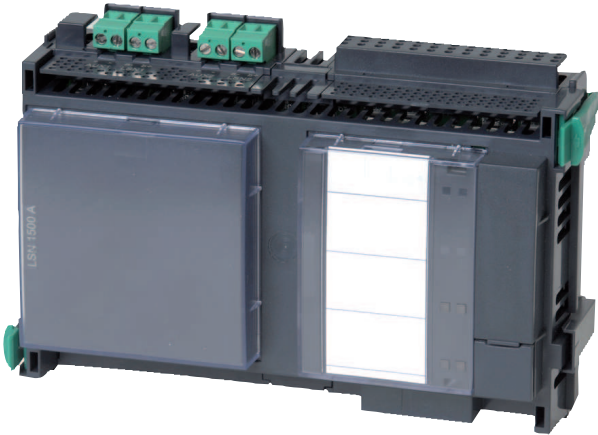


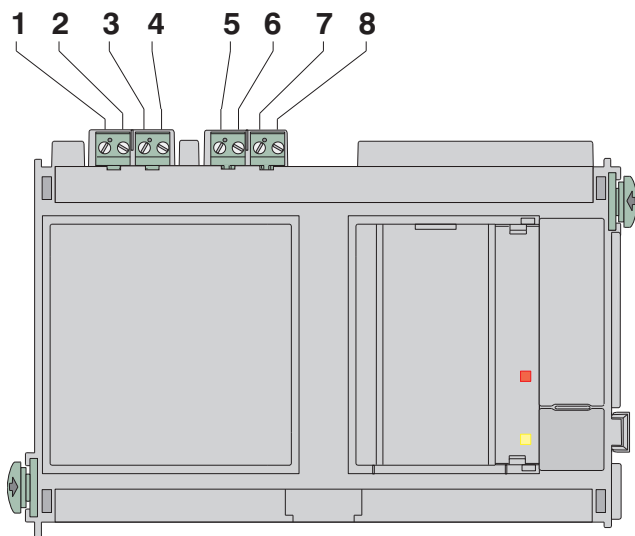
LSN 1500 A LSN bus module, 1500mA



- ▶ Up to 254 LSN improved elements
- ▶ Line length up to 3000 m, depending on configuration and cable type
- ▶ Unshielded cable can be used
- ▶ Line current up to 1500 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

This module allows the connection of an LSN loop with up to 254 LSN improved elements with a maximum line current of 1500 mA or with up to 127 classic LSN elements, with a maximum line current of 300 mA.

System overview



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

System limits for each LSN 1500 A LSN improved Module

(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.

- It can only be plugged in on the left side of a PRD 0004 A panel rail and requires two slots.
- 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 1500 A LSN improved Module 1500 mA

Notice

Ready for delivery on request.

Technical specifications

Electrical systems

Input voltage	20 V DC to 30 V DC / 5 V DC ± 5 %
Output voltage:	
• LSN	30 ± 0.85 V DC
• Aux auxiliary power	28 ± 1.0 V DC
Max. current consumption	4010 mA at 24 V DC
Nominal current consumption	
• Module	260 mA at 24 V DC
• LSN	1.7 x current consumption of LSN elements
• AUX	1.2 x Auxiliary power
LSN line current:	
• Standby	Max. 750 mA, depending on configuration and cable type
• Alarm	Max. 1500 mA, depending on configuration and cable type, Max. 300 mA at connection of classic LSN elements
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 190 x 60 mm (5.0 x 7.6 x 2.4 in.)
Weight	Approx. 440 g

System limits

Max. line length	3000 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 (23 °F to 122 °F)
Permitted storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Permitted relative humidity	95 % , non-condensing
Protection class as per IEC 60529	IP 30

Ordering information

LSN 1500 A LSN bus module, 1500mA

for connecting an LSN loop with up to 254 LSN improved elements with a maximum line current of 1500 mA, or with up to 127 classic LSN elements, with a maximum line current of 300 mA

Order number **LSN 1500 A | 4.998.137.278**

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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