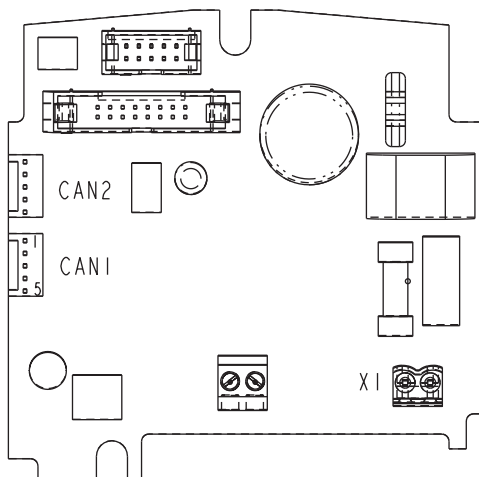


Supplementary Instructions

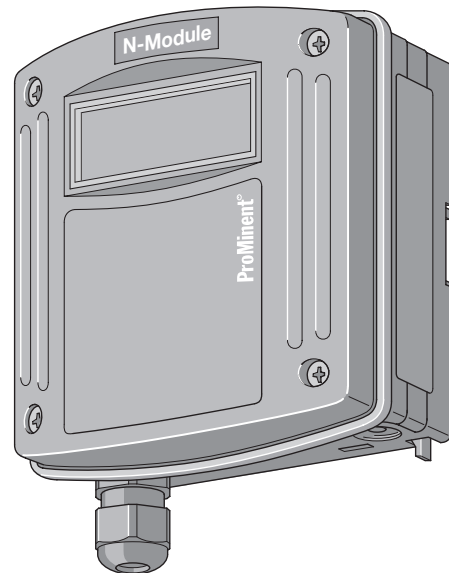
DULCOMARIN® II, N Module

(Power supply module without relays)

DXMaN



Internal module



External module

DXMa _____

Please enter the identcode of your module!

These supplementary instructions apply only in conjunction with the “Operating Instructions DULCOMARIN® II, Part 1: Mounting and Installation”!

**Please carefully read these operating instructions before use! · Do not discard!
The operator shall be liable for any damage caused by installation or operating errors!**

Imprint:

Supplementary Instructions
DULCOMARIN® II, N Module
(Power supply module without relays)
DXMaN
© ProMinent Dosiertechnik GmbH, 2007

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DXMa		Measurement module for DULCOMARIN® II, series DXM					
<div>↓</div>	N	Module: N module, power supply module without relays ¹⁾ ²⁾					
	W	Type of mounting: Wall mounting (IP 65)					
	2	Version: Without controls					
	0	Application: Standard					
	00	Language: No controls ²⁾					
	01	Approval: CE approval					
	<div> ¹⁾ only with Installation: “W” wall mounting ²⁾ only with Version: 2, no operator control </div>						
DXMa	N	W	2	0	00	01	

1 About this module

The N module DXMaN (power supply module without relays) supplies modules of a DULCOMARIN® II system with electrical voltage.

2 Safety chapter



CAUTION

- *The N module DXMaN must only be used as a power supply module for the DULCOMARIN® II!*
- *The N module DXMaN must only be used as a part of a DULCOMARIN® II system!*
- *Only trained and qualified personnel are permitted to install the N module DXMaN!*

3 Storage and transport

Only store and transport the module in its original packaging.



CAUTION

Also protect the packaged module against humidity and exposure to chemicals.

Environmental conditions for storage and transport:

Temperature: -10 °C to 70 °C

Climate: Permissible relative humidity: 95%, non-condensing (DIN IEC 60068-2-30)

4 Mounting and Installation



WARNING

- *Only trained and qualified personnel are permitted to install the N module DXMaN!*
- *Please carefully read the instructions in the “Operating Instructions DULCOMARIN® II, Part 1: Mounting and Installation” before carrying out any mounting and installation work!*

NOTE

- *The terminal connection diagram is enclosed at the end of these supplementary instructions.*
- *The CPU does not assign NodeIDs to the N modules. They are not an active part of the bus system.*

Carry out the CAN connection as described in the “Operating Instructions DULCOMARIN® II, Part 1: Mounting and Installation”.

Arrange power supply modules in main branch of CAN-bus DULCOMARIN® II DULCO-Net)

There is always one power supply module in the CPU (central unit).

Divide the number of pools by "2"; round off if there is a remainder:

Number of pools	Additional N or P modules	Number of pools	Additional N or P modules
1	-	9	4
2	-	10	5
3	1	11	5
4	2	12	6
5	2	13	6
6	3	14	7
7	3	15	7
8	4	16	8

(Exception: Number of pools = 2)

The two light-emitting diodes LED 1 and LED 2 (see chapter 8 "Terminal connection diagram") indicate the load on the 24 V power supply for the CAN-bus.

Flash code LEDs, power supply monitoring DULCOMARIN® II (N and P module)

Operating status	LED 1 (H2, current)	LED 2 (H3, voltage)	Current	Remark
Normal	OFF	Green	< 1.1 A	Everything OK
Limit load	Red	OFF	> 1.1 A	Loop in a further power supply module
Overload/short-circuit	Red, flashing	OFF	> 1.35 A	Check wiring

5 Repairs



WARNING

- **Only the fuse may be replaced by specially trained personnel.**
All other repairs may only be carried out by the customer service!
- **The fuse may only be replaced after the device or system has been disconnected from the power supply and has been secured against re-activation! Take into account effect on system!**
- **Only use genuine fuses (Order no. 712030)**
- **Otherwise, all general safety regulations apply.**

6 Technical data

Electrical data

Nominal voltage (X1):	90 - 253 V AC (50/60 Hz)
Maximum power intake:	500 mA at 90 V AC 180 mA at 253 V AC
Fuse protection on inside:	Fine fuse 5 x 20 mm 630 mA, 250 V slow-blow

The N module DXMaN is a 24 V DC power supply unit (24 V DC, 1 A).

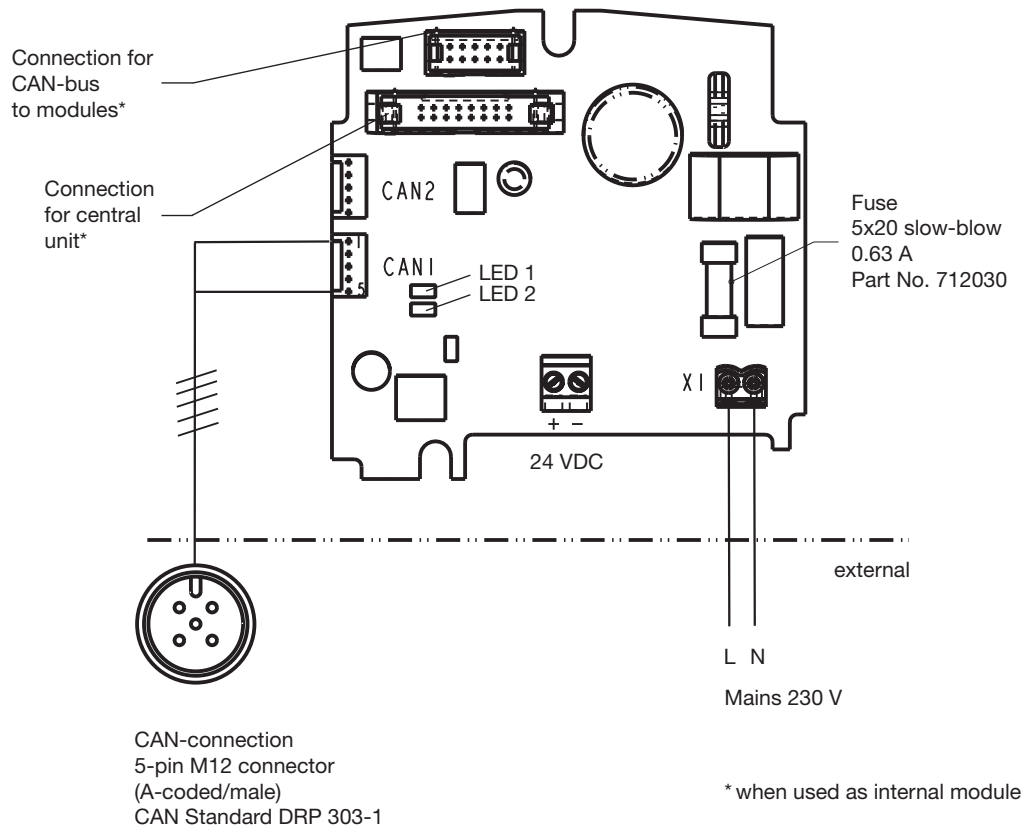
Environmental conditions

Storage temperature:	-10...70 °C
Type of protection	IP 20 (within the housing DXM: IP 65)
Climate: Permissible relative humidity:	95 %, non-condensing (DIN IEC 60068-2-30)

7 Terminal assignment

Description	Terminal description	Terminal no.	Pole
Mains	X 1	11	N
		12	L(1)

8 Terminal connection diagram



CAUTION

- **External fuse protection required!**
- **The fuse holder is also under voltage (live) when mains voltage is applied!**

Technical changes reserved.

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