



Product: [NSM-B](#) 

NSM-B - XTran Node Support Module with 2x output contacts and 2x input contacts to TXCare

Product Description

The NSM-B (Node Support Module) is required in each XTran node and offers via its front panel functionalities like: status indication of PSU(s) and CSM(s), status and connection of digital I/O and a manual switch over of the active CSM via a hidden push button. The node number can be set via rotary DIP switches on the board. The NSM only communicates with the active CSM within its node, does not use XTran bandwidth, can be replaced and is hot-swappable.

Technical Specifications

Product Overview

Part Number:	S30924-Q100-X201
Port Type and Quantity:	2x RJ-45 for DI/DO;

More Interfaces

Digital Input:	Two digital inputs (=DI), to detect an open or closed potential free contact.
Digital Output:	Two digital normally closed (NC) output contacts. Max. Current: 1A DC; Max. Voltage: 60 VDC

Power requirements

Operating Voltage:	+12V
Power consumption:	3W

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	968 Years
Operating Temperature Range:	With XT-1104-A, XT-2206-A, XT-2209-A, XT-2210-A (aggregation nodes): -30° to +65°C (-22° to 149°F); With XT-2215-A (core nodes): -20° to +55°C (-4° to 131°F)
Storage Temperature Range:	-30° to +75°C (-22° to 167°F)
Relative humidity (non-condensing):	0-95 %

Mechanical construction

Overall Width:	20.32 mm
Overall Height:	126 mm
Depth:	195 mm
Weight:	0.18 kg

Approvals

Basis Standard:	CE, EN 55032:2015 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013 + A2 :2021, EN 55035:2017 + A11:2020, EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019
Safety of industrial control equipment:	EN 62368-1:2014
Power Utility:	EN 61000-6-5:2015, EN 61850-3:2014 (§6.7), IEEE 1613-2009 (§4), IEEE1613-2013 (clause 5,7,8,9,10)
Transportation:	EN 50121-4:2016 + A1:2019

Reliability

Guarantee:	Standard 1 year (extension possible)
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Further Instructions

Product Documentation:	Available via Belden Solutions Portal site
Certificates:	Available via Belden Solutions Portal site

Software Download:	Available via Belden Solutions Portal site
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History

Update and Revision:	Revision Number: 0.23 Revision Date: 11-14-2025
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