

Parallel Interfaces - Unmonitored switching

System Overview

The ATBL module (panel connection) is used to connect panels with minimal cabling or for alarm-dependent switching processes. Up to 256 ATBLs can be connected to a UGM 2020, of which the following can be built into the cabinet:

Upgrade level 2: 1 ATBL

Upgrade level 3: up to 5 ATBLs

ATBLs are switched in sequence.

If the system topology necessitates branched connection of ATBLs, panel multiplexers (TBLM) are required for this (see below). A TBLM has 4 interfaces for connecting up to 16 ATBLs.

The maximum number of panel items is achieved with the following specification:

Simple connection of ATBL

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Panel items per ATBL	64
ATBL per UGM 2020	256
Panel items total per UGM 2020 (64 x 256)	16384
Branched connection via panel multiplexers	
Panel items per ATBL	64
Panel multiplexers per UGM 2020 (only 16 panel multiplexers are required for 256 ATBLs)	30 (16)
ATBLs per TBLM	16
Panel items per TBLM (16 x 64)	1024
Maximum number of panel items (16 x 16 x 64)	16384

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