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# Inside knowledge that puts you ahead

## With the intelligent ITS2 Unit



- Integrated and future ready
- Convenience and ease
- Safe and reliable

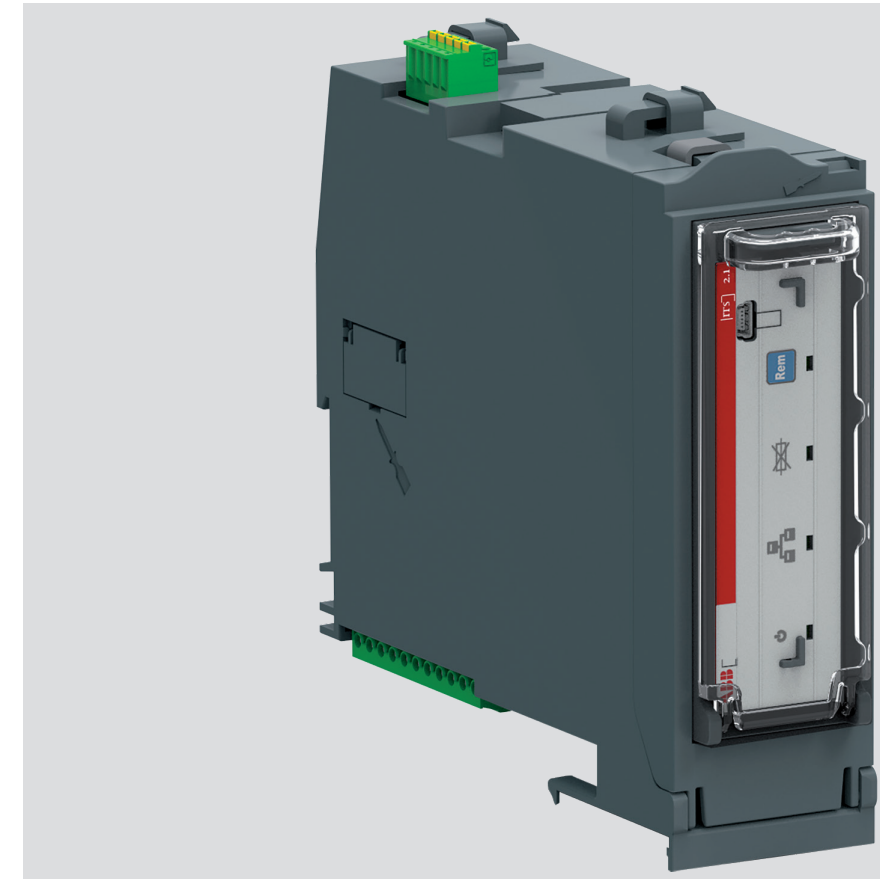


When it comes to intelligence, it's what's inside that counts. And whether it's within the SlimLine XRG or InLine II or installed in your existing setup, the ITS2 intelligent monitoring unit guarantees what's inside is something special.

Ekip Connect's easily configurable interface enables smooth digital functionality. And cloud-based connectivity via ABB Ability™ EDCS makes it easy to monitor key electrical parameters in real-time, allowing users to optimize their networks simply and safely.

In other words, ITS2's inside knowledge enables data-driven decisions, putting you ahead.

## Greater intelligence comes from within



Real-time measuring and monitoring have never been easier, thanks to the ITS2. Its built-in intelligence means that whether it's supporting a data center, hospital or commercial building, operatives can access its monitoring data and

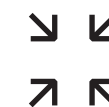
provide an instant response in the event of any system faults.

**The result of this fully digital solution? Smarter, data-driven decisions made in real time.**



### Integrated and future-ready

- Cloud-based connectivity with ABB Ability™ EDCS
- Easy configuration with Ekip Connect
- Configure ITS2 monitoring in just 1 min



### Convenience and ease

- One unit to digitalize switches and fusegear also compatible with OT switch-disconnectors and OS Switch fuses
- Space-saving factory-mounted design\*
- No need for additional power supply
- 80 percent faster installation\*



### Safe and reliable

- Ensures continuous operations
- Fuse monitoring functionality (EFM)
- System safety and protection protocols

\*When integrated with the SlimLine XRG or InLine II.



## Integrated and future-ready



### Ease of installation

A busy facility needs any new monitoring equipment to get up and running quickly to avoid operational interruptions.

Installing the ITS2 monitoring is a pain-free, intuitive process, with Ekip Connect used to configure your entire system.

The ITS2 communicates with the main gateway using Modbus RTU or TCP protocol. The gateway enables direct communication to the ABB Ability™, Electrical Distribution Control System (EDCS) using the Ekip Com Hub cartridge module.

The gateway uploads your system data to the cloud-connected ABB Ability™ platform, **enabling full control in less than 10 minutes.**

### Seamless integration

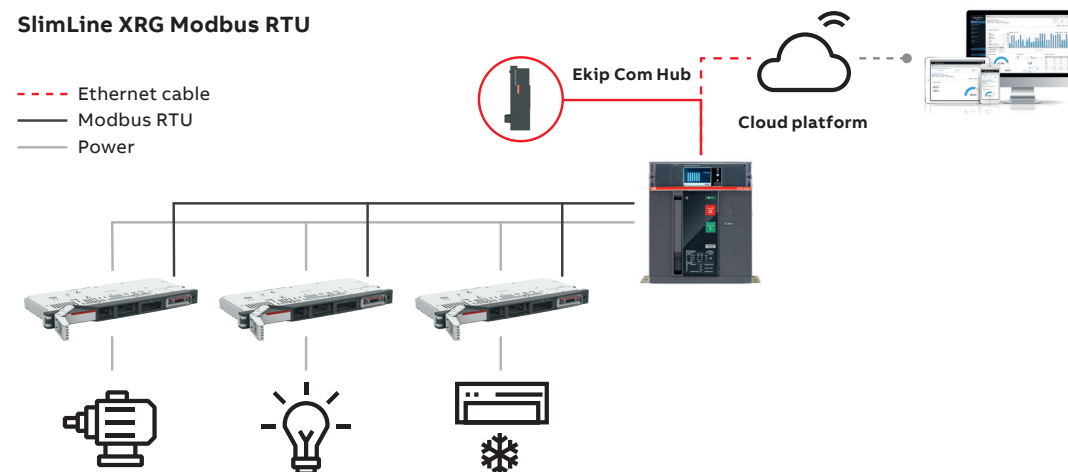
A complete digital solution needs to be compatible with your existing infrastructure and processes. The ITS2 monitoring unit integrates flawlessly both with ABB's switches and fusegear products

- Uses ABB Ability™ EDCS to collect information from enabled ABB devices installed in low-voltage distribution systems
- Monitor the electrical system from anywhere, anytime
- ABB Ability™ EDCS compatible gateways: Emax 2, Ekip UP, TMax and TruONE Automatic Transfer Switches (equipped with Ekip Com Hub) or with Ekip E-Hub via Modbus RS-485 or Modbus TCP.

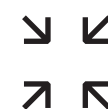
### Connection to ABB Ability™ for all switches and fusegear with ITS2

#### SlimLine XRG Modbus RTU

--- Ethernet cable  
— Modbus RTU  
— Power



## Convenience and ease



Making the best use of your resources means optimizing valuable floor space while reducing costly energy consumption.

As a compact, solution, the ITS2 monitoring unit makes it easy to conserve energy from the start of use, with no need for multiple power supplies

- **Save up to 10% space** – when ITS2 unit is integrated with InLine II or SlimLine XRG
- **Easy, pre-engineered installation** – be up and running in minutes
- **Just one ABB unit** – compatible with existing switches and fusegear products



# Safe and reliable



Plant-wide safety is non-negotiable. You need to be certain that all equipment has the most rigorous in-built safety measures to protect both immediate users and the customers whose lives depend on consistent uptime.

ITS2 monitoring comes with a total safety concept to protect operatives, maintenance workers and the people who depend on them.

- Ensuring continuous operations**
- Real-time monitoring for: voltage, current, temperature, frequency, active and reactive power, power factor, switch position and energy consumption through ABB Ability™ EDCS
  - **Fuse monitoring functionality (EFM)** to monitor operational status and, in the event of a blown fuse, to raise an alert\*
  - Configurable time and current thresholds which, if exceeded, will cease motor operation

\*Only for SlimLine XRG, OS Switch fuses, InLineII

# Introduction

## General product overview



ZHBM00



ZHBM1



ITS2.1 Standalone Module

Order code	Type
1SEP622695R0001	ZHBM00-3P-M8-ITS2.1
1SEP622696R0001	ZHBM00-3P-V-ITS2.1
1SEP622697R0001	ZHBM1-3P-M12-ITS2.1
1SEP622698R0001	ZHBM1-3P-V-ITS2.1
1SEP622699R0001	ZHBM2-3P-M12-ITS2.1
1SEP622700R0001	ZHBM2-3P-V-ITS2.1
1SEP622701R0001	ZHBM3-3P-M12-ITS2.1
1SEP622702R0001	ZHBM3-3P-V-ITS2.1

Suitable for OS switch fuses and OT switch disconnectors	
Order code	Type
1SEP622724R0001	ITS2.1 Standalone Module



# Technical parameters

Applies to SlimLine XRG, InLine II and ITS2 standalone.

Technical data		
Input Voltage limits		
Power supply		24Vdc ± 20%
Power consumption		2W
SlimLine XR Gold ITS2.1: which data can be monitored		
Features		
Line Voltage	(V AC)	V12, V23, V31
Phase Voltage	(V AC)	V1N, V2N, V3N
Current	(A)	L1, L2, L3
Active power	(kw)	L1, L2, L3
Reactive power	(kVA)	L1, L2, L3
Cos phi	(Cos φ)	L1, L2, L3
Power factor	(PF)	Sum
Energy	(kWh)	Sum
Fuse status	(EFM)	L1, L2, L3
Temperature	(°C)	Terminal L2
Switch position		On/Off
Motor Control		by bus
Protocol		Modbus RTU, Modbus TCP
Supported By		
Ekip Connect 3		
ABB Ability™ EDCS		

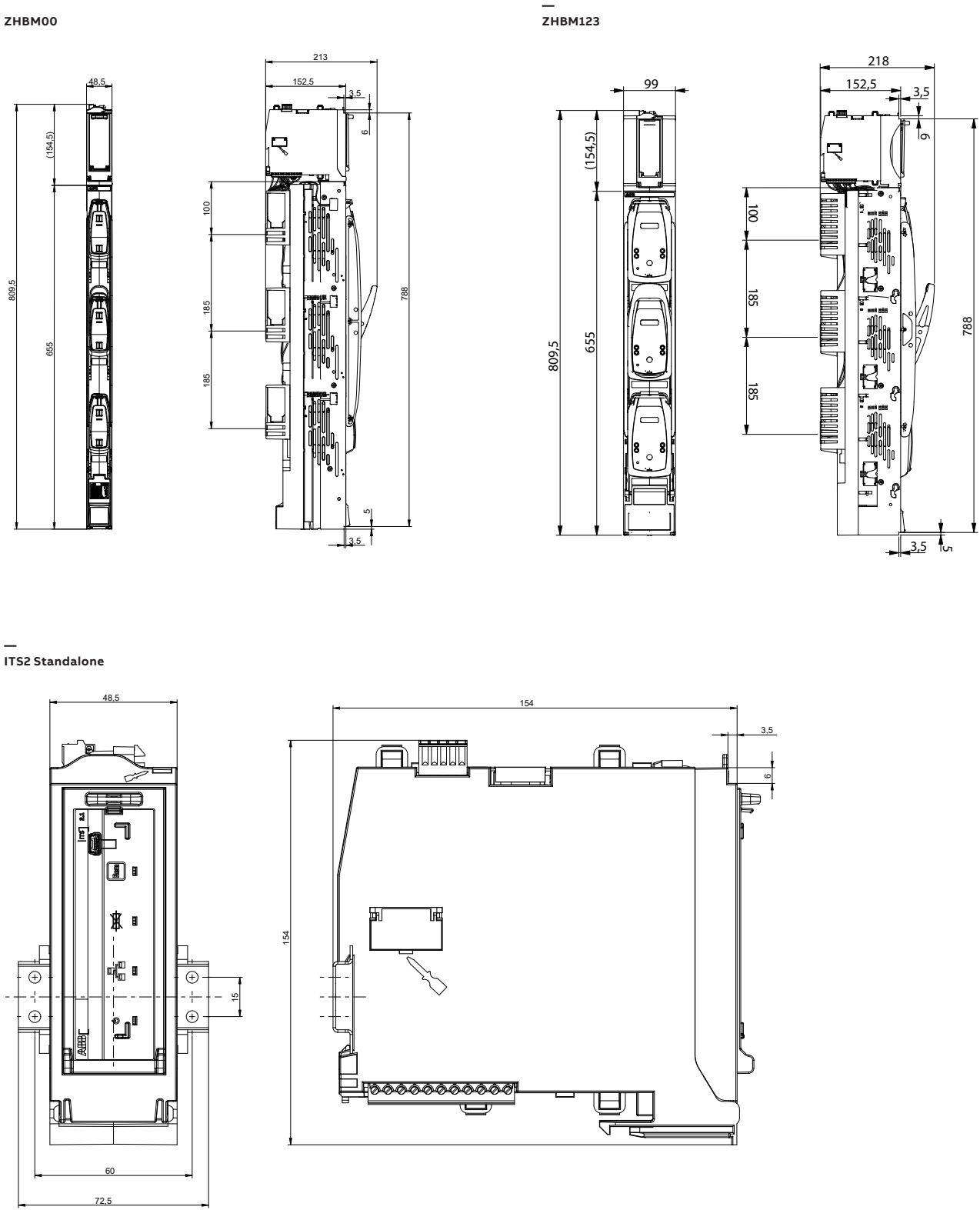


ABB Ability™ EDCS



Ekip Connect 3

# Dimensional drawings







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Find the address of your local sales  
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**[www.abb.com/contacts](http://www.abb.com/contacts)**  
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