



FREQUENTLY ASKED QUESTIONS

ReliaGear™ lighting panelboards

From basic to complex projects



In our ongoing commitment to offer superior value at every touch point, — from quote to ordering to installation to maintenance — we have combined the best technology of ABB and GE Industrial Solutions to bring you a true breakthrough in lighting panelboards. This document answers the most frequently asked questions to help you address your customer's concerns.

— Contact your local ABB representative or Product Marketing Manager for more information.

Q: How many Tmax® XT5s will be available in the ReliaGear lighting panelboards?

A: One main and up to one sub feed, same as Spectra offering for A-series.

Q: Will we have a DC offering?

A: We will be offering additional DC offerings in phase 5, 1H 2022. Current DC offerings remain the same.

Q: Are you creating an e-training course for use with channel partners? If so, when will this be available?

A: Yes. Three sessions are available now on [MyLearning](#) and in BlueVolt for external customers.

Q: Will Spectra™ breakers still be available for existing installed base after 2020?

A: Spectra breakers will be obsolete in 2021 due to expiration of our UL certification and no longer manufactured at our sister manufacturing plants. The cutoff for A-series existing quotes and orders with Spectra breakers was in July 2021.

Q: Does the Tmax XT4 as a main breaker not have LSI functionality?

A: Incorrect. LSI is offered in the Tmax XT4, XT5 and X6 Ekip Dip trip units as mains.

Q: Will tubs and mounting still be the same? For instance, will you be able to put a ReliaGear interior in an existing enclosure?

A: Enclosures and tubs will be the same. There are no changes in the part numbers. An existing or new ReliaGear interior will mount in the same enclosures. There are no changes to the interior mounting. The straps have changed on the factory assembled interiors. Interiors and shields will be different for ReliaGear RQ, RL, RE, RS, and RD.

Q: Will OEM lighting panelboards (LOEM) offerings with A-series be available until the new LOEM equivalent is available?

A: Yes. The ReliaGear OEM lighting panelboard was launched in September 2021. The product brochure and presentation are available for download at the ReliaGear OEM lighting panelboards website.

Q: If A-series panelboards are no longer available to be built in Empower in Q2 2021, customers that have existing stock and use the Small Projects Same Day program will not be getting accurate BOMs compared to what breakers they have in stock?

A: A-series Pro-Stock configurations, BOMs and rebating for SPSP program are available in empower until an end date is announced. You will have to convert to legacy ReliaGear™ Pro-Stock™ launched in May 2021

Q: Are molded case switches (MCS) available as branches?

A: No, MCS are not available in the ABB empower configurator. We can add them in special cases.

Q: Will ReliaGear lighting panelboards be built on a parallel line in Mebane?

A: The ReliaGear panelboards will continue to be manufactured in Mebane. The ReliaGear panelboards will replace the A-series product lines at the factory. There are no changes to the manufacturing lines. A standard and complex line will remain for both ReliaGear and A-series lighting panelboards.

Q: Are Tmax XT Ekip Touch and Hi-Touch trip units available as mains and branches?

A: The Tmax XT Ekip Touch is not offered in ReliaGear lighting panelboards. The XT Ekip Hi-Touch is only offered in the ReliaGear™ RD lighting panel as a branch (feeder) breaker.

Q: Are the trip units field replaceable on the Tmax XT breakers just like the Spectra breakers?

A: No. Field replaceable trip units are not offered in the Tmax XT breakers.

Q: When will ReliaGear RD lighting panelboards be launched? We still have offering up to 100KAIC using Tmax XT breakers that are rated up to 100KAIC?

A: The RD was launched in September 2021. The maximum KAIC rating is 42 KAIC at 240V, 480V and 600V. R&D is testing for 100KAIC to implement in Q1 2022.

Q: What if an A-series panelboard is needed after launch to match an existing current project, and they are removed from Empower ?

A: A-series orders can no longer be released or entered with Spectra breakers. This configuration has been taken out of empower and only ReliaGear lighting panelboards can be ordered.

Q: Will shop floor still be used to lookup BOMs and panel layout, or a new software?

A: Yes, shop floor will continue to be used. High-resi will be obsolete at launch and BOMs will be available during when quoting.

Q: Is ABB Ability™ Energy and Assets Manager available for lighting panelboards?

A: ABB Ability is only available with the Tmax XT2 Ekip Hi-Touch branch breakers in our RD lighting panelboard.

Q: Will there be changes or enhancements for the ReliaGear OEM lighting panelboards (LOEM) offering?

A: LOEM offering will remain the same. No changes to OEM in Phase 1. ReliaGear OEM launched in September 2021.

Q: Will LOEM offerings with A-series be available until the new LOEM equivalent is available?

A: Yes. The ReliaGear OEM lighting panelboard was launched in September 2021.

Q: Are compression lugs offered for Tmax XT main breakers?

A: No. Compression lug are not offered on Tmax XT breakers.

Q: Can we reuse the same can and covers as well as dead front line up, and other features, if we need to change out an old A-series interior with a new R-series?

A: The same enclosure and front can be used. The interior will have to be replaced along with the shield.

Q: Will the Ekip Dip an available option on the Tmax XT4 for selective coordination down stream with the branch breakers?

A: Yes, the Ekip Dip is available in the Tmax XT4, XT5 and XT6.

Q: Are Q-line breakers going to be the branch breakers in the new panelboards?

A: Yes. THQB, TQB, THHQB, TEY and TEY (D/H/L) branch breakers will be offered in the ReliaGear lighting panelboards.

Q: Can we have a Subfeed breaker and a bus mounted TVSS Unit in the R-series Panelboards in lieu of the 5-Sub Feed Breakers?

A: No, because they are both load end mounted (hanging off of the bus bar).

Q: When the Pro-Stock is going to be updated with new part numbers in ABB empower?

A: We are working on these details with the ABB empower team.

How will distributors handle SPAs and rebates?

A: Pro-Stock part reference guide is available now to have the discussion with your distributors about the new ReliaGear breakers and kits versus the A-series.

Q: Will tin plated copper continue to be available as a material for the bus?

A: Yes, the ReliaGear lighting panelboards have no changes in the bus material, same options as the A-series.

Q: Does Tmax XT5 for selectivity only mean just LSI trip, no GF?

A: Correct.

Q: Are any changes to the metering offering with the ReliaGear LP?

A: There are no design or product changes to metering offerings in Phase 1 for ReliaGear lighting panelboards. The panel name will only change from AQ, AL, AE, AS, AD to RQ, RL, RE, RS, and RD.

Q: Will the N4X enclosures be available in 316 Stainless Steel, like they are in A-series?

A: Yes, they will. We will have all the same offerings with the enclosures from A-series to ReliaGear.

Q: Can we wire a Surge Protective Device (SPD) in lieu of bus connect, so we do not have to go to another section for an SPD?

A: No. You can't.

Q: Are all SPDs the same as today's offering (ratings, etc.)?

A: No. We have discontinued the TR7 and TR5 series, NEMA 12 surface, and flush-mount enclosures and the UL Type 1 Box Extension Models. Please review the MarketLink published on May 1, 2020, for more detailed information regarding the series and options that we phased out. Contact your ABB local representative for related questions.

Q: Are panel cans and fronts of the ReliaGear lighting panelboards the same as in A-series? Does the new interior mount the same way in a A-series box?

A: The ReliaGear enclosures and fronts are the same part number and design as the A-series. The interior part number for ReliaGear lighting panelboards is different than the A-series. The ReliaGear panel mounts the same way as the A-series.

Q: Will we have 125A SE rated RE/RS panel (finger safe barrier issue)?

A: The lighting panelboards portfolio does not have a finger safe barrier design.

Q: If you have AQ panel with a THQB main breaker, is the ReliaGear RQ panel the exact same construction?

A: Yes.

Q: Does the ReliaGear lighting panelboard offer the ability to add Subfeed breakers and feed thru lugs in the field or will these have to be pre-ordered with the appropriate Subfeed space?

A: Yes. You can add additional Subfeeds in the field with pre-ordered appropriate Subfeed space. For feed thru lugs you have to pre-order, you cannot field install feed thru lugs because the busbar will need to be longer.

Q: What is the difference between classic versus limited in life cycle management?

A: Classic means that the product is still available, but not extensively promoted. No further enhancements and developments. Limited means that the product is no longer actively promoted by the sales force. Product is no longer manufactured or limited production might be available.

Q: Is training offered to distributors on the product updates?

A: Yes, it is. Training is available on ABB MyLearning and BlueVolt.

Q: Will there be any panelboards can size changes when converting from A-series to R-series assuming all breaker sizes and quantities remain the same?

A: With A-series to ReliaGear there are no changes to the enclosure or the front. The interior and shield will have to be replaced with ReliaGear. The Tmax XT4 is smaller than a Spectra F, now a vertical XT4. This provides more wire bend space.

Q: Will there be a change in the enclosure size for equivalent ReliaGear panelboards?

A: Same enclosure size.

Q: Is there a 480V 3 Phase 3 wire option on the ReliaGear lighting panel?

A: Yes.

Q: ABB's Tmax XT breakers are available with 480V GFIs. Please explain why we can't offer them in our new panelboards?

A: Technology has not tested this into the lighting panelboards design and will be evaluating in 1H 2021, Phase 5.

ReliaGear™ RD Panelboard MCCB related questions

Q: Will FB 3 pole MCCBs be available in ReliaGear RD panels?

A: Yes. FB 3 pole MCCBs will be available in the ABB empower configurator in 1H 2022.

Q: Is Tmax XT1 MCCB available as a Subfeed breaker for RD panel?

A: Tmax XT1 is not available in RD. The feeder breaker options are Tmax XT2 and FB 1, 2-pole. Subfeed MCCBs are XT4 and an XT5. These are the only breakers allowed in the panel configurations at this time.

Q: Are wire ranges for Tmax XT MCCBs same as Spectra MCCBs wire ranges?

A: Lug ranges change for each breaker type and are not consistent with Spectra and the ranges can be found in the buylog.

Q: Are series ratings combinations available for FB, Tmax XT2 MCCBs with XT4, XT5 MCCBs at 50, 65kA at 600Y/347Vac?

A: Per DET-008, the available combinations are FB, Tmax XT4 MCCBs with XT5 MCCBs. FB, Tmax XT2 MCCBs are being tested by R&D with remote main Tmax XT4 and XT2 with remote main XT5.

Q: Is FB or Tmax XT2 breaker installation publication available for RD panelboards?

A: Product management and technology are working on these documents to be released in 2022.

Q: For how long spare MCCBs and panel parts will be available for existing AD panels?

A: TED (1, 2, 3P) MCCBs, THED (1, 2, 3P) FB (1, 2, 3P) are not obsolete and will be available through the breaker accessories teams.

Q: Would Tmax XT breakers fit into existing AD panels?

A: Tmax XT breakers do not fit into existing AD panels. The breakers are too deep (dimension including handle) which forced us to develop a completely new panel. Once legacy Spectra breakers are out of circulation, customers will have to replace the entire panelboard if they need a replacement breaker other than TED, THED, FB. Please note amount of GE Spectra breakers used in AD panelboards as subfeed breakers is low.

Q: What is the availability of AD Panelboard spare parts: Neutrals, ground lugs, fronts, others?

A: There are not major changes to neutrals and fronts.

RD panelboards - Miscellaneous questions

Q: We publish International voltage systems for ReliaGear panels, does it mean that the panelboards have International standards compliance for instance, IEC or any other?

A: No. International standards compliance. NEMA only. We have a few international voltages because customers have asked for them in the past.

Q: Why list price of RD panel 10-18kA at 600Y/347Vac is higher than list price of same AD panel?

A: We removed lower interrupting ratings MCCBs (TED, THED) from RD panel offer and interrupting ratings of FB MCCBs start with 22kA and XT2 MCCBs start with 18kA. This means we have a higher interrupting rating RD panelboard with a higher list price panelboard.