

ABB

[QUADROS ELÉCTRICOS ABB E A NOVA NORMA IEC 61439]

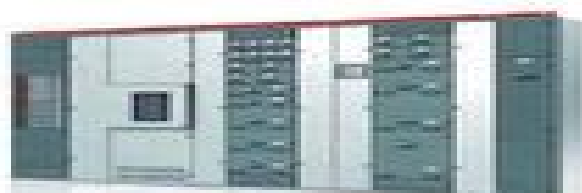


ABB MNS & MNS /S

IEC 61439
MNS & MNS /S - Already there

A ABB sendo uma das mais importantes companhias de engenharia do mundo, ajudamos os nossos clientes a utilizar eficientemente a energia eléctrica, a aumentar a produtividade industrial e a reduzir o impacto ambiental de forma sustentável, no respeito pela legislação local e normas internacionais.

Neste sentido, a nova referência normativa IEC 61439, substitui e anula a IEC 60439 de 2004. Desta forma:

- é abandonado o duplo papel da IEC 61439-1, tanto como produto padrão como produto completo de registo geral, abrangido pelas partes adicionais da IEC 60439;
- por conseguinte, a IEC 61439 é a única norma de "registo geral", a qual deverá reportar as partes subsidiárias dos produtos da IEC 61439;
- a diferenciação entre os Quadros de Série 3000 e os Quadros Derivados de Série 3000 é eliminada através da abordagem por verificação;
- são introduzidas três tipos diferentes, porém equivalentes, de verificação das exigências: através de ensaio, por cálculo/método ou por satisfação das regras de concepção;
- as exigências que dizem respeito aos equipamentos foram simplificadas;
- o factor de diversidade abstruído é abordado em maior detalhe;
- foram incorporados os requisitos para instalações vazias para montagem (C00 40208);
- toda a sua estrutura está alinhada com a nova função de norma de registo geral.

Evolução e estrutura normativa da IEC 61439

A nova referência norm. - substituição CONJUNTOS ABB

IEC 60439-1	IEC 61439-1
IEC 60439-2	IEC 61439-2
IEC 60439-3	IEC 61439-3
IEC 60439-4	IEC 61439-4
IEC 60439-5	IEC 61439-5
IEC 60439-6	IEC 61439-6
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IEC 60439-8	IEC 61439-8
IEC 60439-9	IEC 61439-9
IEC 60439-10	IEC 61439-10
IEC 60439-11	IEC 61439-11
IEC 60439-12	IEC 61439-12
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IEC 60439-100	IEC 61439-100

De acordo com a legislação em vigor, o quadro eléctrico é constituído por um conjunto de equipamentos, convenientemente agrupados, incluindo os seus tipos, estruturas de suporte e instalação, destinados a proteger, a comandar ou a controlar instalações eléctricas.

IEC 61439-1:2004, Parte 1: Requisitos gerais

Esta nova referência técnica técnica é usada também a partir "conjunto de equipamentos" com as mesmas especificações que as indicadas para "produto", por ser este o termo usado na Norma relativa a outros equipamentos (EN 60439).

O objectivo da norma IEC 61439 é harmonizar na prática, tanto quanto possível, todas as regras e requisitos de carácter geral aplicáveis a conjuntos de equipamentos de baixa tensão (CONJUNTOS), de forma a obter uma uniformização dos requisitos de verificação dos CONJUNTOS e, assim, evitar qualquer verificação segundo outros métodos.

Desta forma, as exigências das diferentes normas aplicáveis a CONJUNTOS, que podem ser consideradas como gerais, foram compiladas na presente norma de referência, em harmonia com aspectos específicos de interesse da aplicação estrangeira, como, por exemplo, equipamentos, equipamentos eléctricos, entre outros.

Para cada tipo de conjunto de equipamentos de baixa tensão são necessárias também duas normas principais para determinar todos os requisitos e testes os métodos de verificação correspondentes.

A actual norma de referência é designada sob a denominação "Parte 1" das normas especificações que incluem os diferentes tipos de conjuntos de equipamentos de baixa tensão.

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RC Schank



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