

WHAT IS REQUIRED TO MAKE AN ACS550 OR ACS355 MEET IEEE519?

Description:

What is required to make an ACS550 or ACS355 meet IEEE519 at the drive line power terminals?

Answer:

The ACS800-31/37 (Ultra Low Harmonics) and ACS800-11/17 (Regenerative) drives will meet the IEEE519 at the drive power terminals is. The ACS355 or ACS550 will not meet this IEEE519 system specification of current THD (Total Harmonic Distortion) of 5% or below. The options for allowing the ACS355 or ACS550 to meet the IEEE519 specification include adding diodes and a phase shifting transformer to convert the drives into an 18 pulse system. The next option is to look at TCI (www.transcoil.com) and add a harmonic trap filter before the drive(s).

Documents or other reference material:

None

Corrective Actions:

None

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