

DROP-IN BRUSH SOLUTIONS

MERSEN BRUSH UPGRADES



HCH-9 (Ground brush): 40mm*20mm

HCH-99X (Phase brush): 40mm*32mm

Brushes fit into existing Hitachi brush-holder system

KEY FEATURES

- Plug and play design to use as drop-in replacements for Hitachi-design brushes in GE turbines
- Advanced grades for compatibility on bronze or stainless steel rings
- Field tested for performance validation
- Excellent field test results in all weather conditions including high altitude and cold climates
- Extended brush life on phase and ground for increased savings
- Mersen's successful grades running in over 2,500 turbines across USA
- Allow reduced brush count per turbine - see overleaf

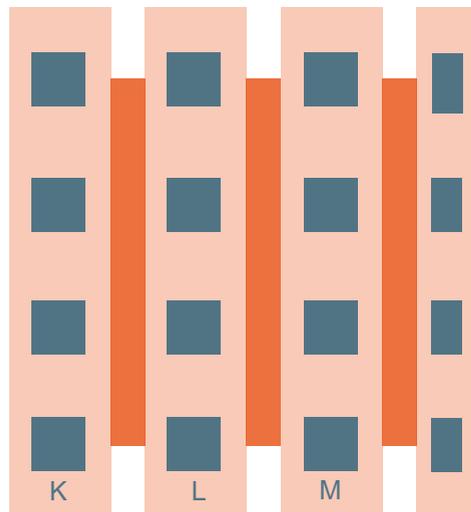
MERSEN PROPERTY

EXISTING BRUSH ARRANGEMENT

Drop in Mersen replacement for KF843 brush

- 4 per phase: HCH-99X phase brush (CG677 grade)
 - HCH-99X area of one brush = 12.8 cm²
- 4 on ground: HCH-9 ground brush (MC837 grade)
 - HCH-9 area of one brush = 8 cm²

Total number of brushes in system = 16



■ Populated brush box

Fully populated brush boxes

MERSEN PROPERTY

MERSEN

HAS
FIELD TESTED
AND PROVEN
THE
ALTERNATIVE
ARRANGEMENT
AS SHOWN
ON RIGHT

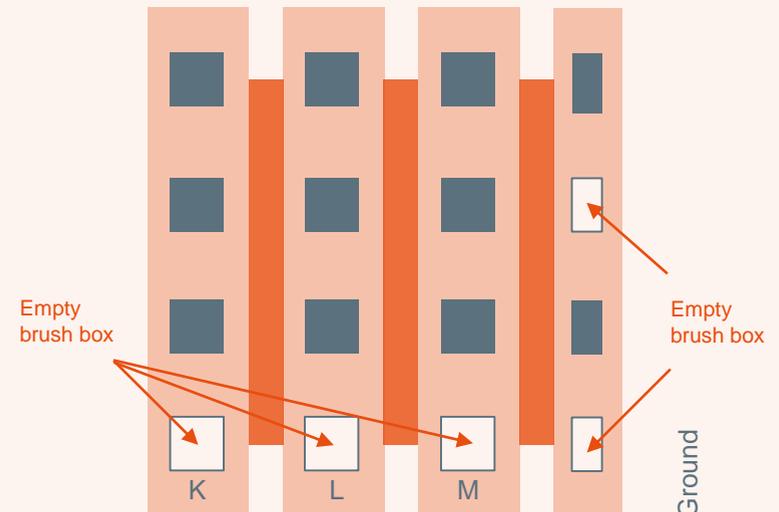


RECOMMENDED BRUSH ARRANGEMENT

Drop in Mersen replacement for KF843 brush

- 3 per phase: HCH-99X phase brush (CG677 grade)
 - HCH-99X area of one brush = 12.8 cm²
- 2 on ground: HCH-9 ground brush (MC837 grade)
 - HCH-9 area of one brush = 8 cm²

Total number of brushes in system = 11



Empty brush box

Empty brush box

Ground

■ Populated brush box

□ Empty brush box

- ➔ Reduced dust accumulation in slip ring cabinet
- ➔ Reduced O&M expenses for sites

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Please contact Mersen for technical expertise when reducing the number of brushes per phase