

CARE OF METROSIL ASSEMBLIES

STORAGE, HANDLING & INSPECTION PRIOR TO INSTALLATION

In order to assure the reliable performance of Metrosils, the following simple steps should be performed prior to installing the Metrosil assembly(ies):

- Store in dry conditions
- Handle units with care
- Inspect units for transit damage:
 - i.) Around the edges of the discs, chips should not infringe into the brass contact area
 - ii.) Cracked discs or discs, which look to have suffered an impact
 - iii.) Bent terminal or contact plates
 - iv.) Bent studding

In the case of uncertainty as to whether an assembly is fit for installation, please contact our Customer Service Department.

ROUTINE MAINTENANCE OF METROSIL ASSEMBLIES

Assuming the Metrosil has not been subjected to conditions outside its design limits, the routine maintenance checks should consist of:

- Do not dismantle Metrosil assemblies
- If assemblies are connected in parallel, these must be identified so that they can be reconnected in the same groups
- Carefully check Metrosil discs for mechanical damage, such as chips or cracks
- Inspect assemblies for signs of electrical flash-over and for burn marks due to current puncture
- Clean any dust and dirt from the edge of discs and off the insulating bushes either side of the discs. Use a dry cloth or brush only
- Check that the connections are tight and the cables are not damaged

If the Metrosil has been subjected to exceptional conditions, or these tests throw doubt on its integrity, then the whole Metrosil should be replaced. Individual discs or assemblies cannot be replaced because of the matching requirements of discs in parallel.

METROSILS COMPOSED OF NUMEROUS SUB UNITS IN 'MATCHED SETS'

If a Metrosil is composed of several assemblies, then it is critical that the assemblies are used and connected together as '**MATCHED SETS**'.

The set number and the assembly letter are indicated on the label of each particular assembly. As indicated below, all assemblies with the same set number must be used together. If several Metrosils are purchased in one order, then each will have a different set number.

If a Metrosil is not composed of the correct matched sets, then this may lead to an imbalance in the current and energy flowing in each of the assemblies.

M&I Materials will not be responsible for assemblies that are not connected as matched sets. Please refer to the diagram below:

