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REPORT

on

COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER
APPLICATIONS

Tyco Electronics Corp
Harrisburg, PA

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D E S C R I P T I O NPRODUCT COVERED:

* **DRAWER CONNECTOR SERIES, MINI DRAWER AND HYBRID TYPES A AND B.**

GENERAL:

These devices are multiple connectors employing hermaphroditic contacts intended to mate with Series CT connectors.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. These devices should be used only where they will not interrupt current.
2. These devices have not been tested for current-carrying capability.
3. The suitability of the minimum 0.48 mm (0.019 in) spacings between live parts of opposite polarity (including adjacent poles) and between live parts and exposed dead metal parts shall be determined in the end use. Dielectric testing has not been performed.
4. The placement of these devices within the equipment enclosure should be such that spacings between live parts and the equipment are suitable for the particular application.
5. The electrical and mechanical contact between the mating hermaphroditic connectors and between the hermaphroditic connectors and the Series CT connectors is to be judged in the end-use equipment.
6. The suitability of the mounting means shall be determined in the end use.
7. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.
8. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 120°C.
9. The acceptability of accessories such as keying plugs and strain reliefs that may be provided with these devices shall be determined in the end use.

10. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

Series No.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
All	A	0.3 mm	-	-	-	130	140	130
Mini-Drawer Hybrid SF housing	B	0.4 mm	-	-	-	120	140	120
All	C	0.3 mm	-	-	-	120	140	120
All	D	0.3 mm	-	-	-	140	140	130
Mini-Drawer Hybrid Type A	E	0.3 mm	-	-	-	125	115	120
Mini-Drawer Hybrid Type A	F	0.3 mm	V-0	4	3	130	130	120

(#) - Code for Insulating Body Material.

- A. Tyco RM# 1573293-X, 1573545-X, 1573158-X.
1. Dielectric strength (kV/mm): 33
2. CTI: 3
- B. Tyco RM# 1573069-X, 703866-X, X-28078-X.
1. Dielectric strength (kV/mm): 29
2. CTI: 3
- C. Tyco RM# 703672-X.
1. Dielectric strength (kV/mm): 22
2. CTI: 3
- D. Tyco RM# X-703048-X.
1. Dielectric strength (kV/mm): 43
2. CTI: 3
- E. **Tyco RM# 1573558.**
1. **Dielectric strength (kV/mm): 30**
2. **CTI: 2**
- F. **Tyco RM# 1573716.**
1. **Dielectric strength (kV/mm): -**
2. **CTI: 2**