

File E28476
Project 4790001909

September 10, 2021

REPORT

on

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

TYCO ELECTRONICS CORP
Middletown PA

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DESCRIPTION

PRODUCT COVERED:

Connectors

Model(s): Micro-CT Series - Headers, Micro-CT Series - Receptacles

GENERAL:

TECHNICAL CONSIDERATIONS (NOT FOR FIELD ENGINEER'S USE):

System generated descriptive report

Model: Micro-CT Series - Headers**Family/Series:** Micro-CT**Certification Information**

CCN	ECBT2
USR	Yes
CNR	Yes
Canadian CCN	ECBT8
USR Standard	UL 1977 3rd Ed.
CNR Standard	CSA-C22.2 No. 182.3-16

General Description

Description	These devices are multipole connectors intended for factory assembly on copper wire sizes and printed wiring boards as indicated in Ratings table below where the acceptability of combinations is determined by UL LLC.
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Ratings

Connector Classification	Multipole
Type	Type 0 (< 8.3A, < 30V rms)
Voltage AC	29.9 Vac
Voltage DC	29.9 Vdc
Current USR	2 A
Current Interrupt USR	No
Current CNR	2 A
Current Interrupt CNR	No
Wire size min	26
Wire size min units	AWG
Wire size max	26
Wire size max units	AWG
Maximum Poles	25
Connector Classification	Multipole
Type	Type 0 (< 8.3A, < 30V rms)
Voltage AC	29.9 Vac
Voltage DC	29.9 Vdc
Current USR	1 A
Current Interrupt USR	No
Current CNR	1 A
Current Interrupt CNR	No
Wire size min	28
Wire size min units	AWG
Wire size max	28
Wire size max units	AWG
Maximum Poles	25

[REDACTED]	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Conditions of Acceptability

The current carrying capability is to be reviewed in the end-use by measuring temperatures on the connector housing and/or terminals.	Yes
The suitability of the solder terminal for grounding shall be determined in the end-use	Yes
The suitability of the insulating materials shall be determined in the end-use.	Yes
An original equipment manufacturer's installed device employing these crimp-type terminal connectors shall be assembled in accordance with the component connector manufacturer's specifications.	Yes
The product is molded of insulating material with an electrical RTI of xx °C. Mold Stress testing was performed at xx °C for 7 hours with acceptable results.	Required
Electrical RTI	65 C
Mold Stress Testing Temperature	75 C
[REDACTED]	[REDACTED]

Markings Provided

A device shall be legibly marked, where visible before installation, with the Recognized Company's name, Trademark or other descriptive marking	Yes
Catalog Number or equivalent designation	Yes
Devices intended for disconnecting use are marked "Not for current interrupting" or "For disconnecting use only" or equivalent statement	Yes
The following (or equivalent) statements: "CAUTION: NOT FOR INTERRUPTING CURRENT", and "ATTENTION: NE PAS UTILISER POUR COUPER LE COURANT";	Yes

Model: Micro-CT Series - Receptacles**Family/Series:** Micro-CT**Certification Information**

CCN	ECBT2
USR	Yes
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CNR Standard	CSA-C22.2 No. 182.3-16

General Description

Description	These devices are multi-pole connectors intended for factory assembly on copper wire sizes and printed wiring boards as indicated in Ratings table below where the acceptability of combinations is determined by UL LLC.
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Ratings

Connector Classification	Multipole
Type	Type 0 (< 8.3A, < 30V rms)
Voltage AC	29.9 Vac
Voltage DC	29.9 Vdc
Current USR	2 A
Current Interrupt USR	No
Current CNR	2 A
Current Interrupt CNR	No
Wire size min	26
Wire size min units	AWG
Wire size max	26
Wire size max units	AWG
Maximum Poles	25
Connector Classification	Multipole
Type	Type 0 (< 8.3A, < 30V rms)
Voltage AC	29.9 Vac
Voltage DC	29.9 Vdc
Current USR	1 A
Current Interrupt USR	No
Current CNR	1 A
Current Interrupt CNR	No
Wire size min	28
Wire size min units	AWG
Wire size max	28
Wire size max units	AWG
Maximum Poles	25

[REDACTED]	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Conditions of Acceptability

The current carrying capability is to be reviewed in the end-use by measuring temperatures on the connector housing and/or terminals.	Yes
The suitability of the solder terminal for grounding shall be determined in the end-use	Yes
The suitability of the insulating materials shall be determined in the end-use.	Yes
An original equipment manufacturer's installed device employing these crimp-type terminal connectors shall be assembled in accordance with the component connector manufacturer's specifications.	Yes
The product is molded of insulating material with an electrical RTI of xx °C. Mold Stress testing was performed at xx °C for 7 hours with acceptable results.	Required
Electrical RTI	120 C
Mold Stress Testing Temperature	130 C
[REDACTED]	[REDACTED]

Markings Provided

A device shall be legibly marked, where visible before installation, with the Recognized Company's name, Trademark or other descriptive marking	Yes
Catalog Number or equivalent designation	Yes
Devices intended for disconnecting use are marked "Not for current interrupting" or "For disconnecting use only" or equivalent statement	Yes
The following (or equivalent) statements: "CAUTION: NOT FOR INTERRUPTING CURRENT", and "ATTENTION: NE PAS UTILISER POUR COUPER LE COURANT";	Yes