Honeywell

Technical Information

Series 8 Controller and I/O Specification



S803-150-530

Release 530

May 2024, Version 1.0

5.4. C300 Controller memory backup

A RAM charger assembly provides memory backup power for S8 C300 controller module. RAM charger is used to back up the program memory of the S8 C300 controller. It supports connecting up to 4 physical S8 C300 controllers. Multiple units can be considered based on system cabinet design and number of controllers required.



Ram Charger Assembly, Part# 51454475-100

5.4.1. Notable Features

- Support up to 4 C300 controllers in one module
- Supports redundant power supply inputs through combo cable
- Supports Experion soft failure alarm for RAM charger battery status
- Typically mounted adjacent to its associated C300 IOTA(s)

5.4.2. Model Number

Description	Model or Part Number
RAM Charger Assembly (8C-PCNT03)	51454475-100
RAM Charger Assembly (8C-PCNT05)	50182539-001
Cable, MBA to one C300 Controller, 30 inches (0.7 m) long	51202330-300
Cable, MBA to one C300 Controller, 84 inches (2 m) long	51202330-200

5.4.3. Detailed Specification – RAM Charger Assembly

RAM Charger Assembly Parameter	Specifications
Form Factor	3 inch IOTA
Combo Cable Connector	1 pair, 6 pins
Standby Power Output	4
Memory Backup Hold-up Times	110 Hours (4.58 Days) for 1 C300 55 Hours (2.23 Days) for 2 C300s 36.6 Hours (1.52 Days) for 3 C300s 27.5 Hours (1.14 Days) for 4 C300s

Fuse on RAM Charger Assembly (50182539-001) is 51506438-001, 1A Fast acting, 5×20mm.

Use for Division 2/Zone 2 Hazardous Location Installation

⚠ WARNING - DO NOT REMOVE OR REPLACE FUSE WHEN ENERGIZED;
WARNING - DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED;
AVERTISSEMENT – NE PAS RETIRER OU REMPLACER LE FUSIBLE SOUS TENSION;
AVERTISSEMENT – NE PAS CONNECTER OU DECONNECTER SOUS TENSION

Apter Power

Industrial automation component support

Need exact-model support?

51454475-100

Series 8 C300 RAM Charger Assembly

Contact Apter Power to review the complete model marking, installed system context, document scope and quotation requirements.

Please include cabinet photos, revision labels and required delivery details when available. Compatibility is confirmed from the exact installed record.

Support Centre

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