











- □ **Sydney** 18-20 Railway Road Meadowbank NSW 2114 Postal Address: Locked Bag M3 Meadowbank NSW 2114 Telephone: (02) 9807 6155 Facsimile: (02) 9808 2033
- □ **Melbourne** 3-5 Dissik Street Cheltenham Vic 3192 Telephone: (03) 9532 1233 Facsimile: (03) 9553 3502
- □ Perth 36 Division Street Welshpool WA 6106
 Telephone: (08) 9358 1788 Facsimile: (08) 9358 1733

□ **Brisbane** 485A Zillmere Road Zillmere QLD 4034 Postal Address: PO Box 642 Virginia Qld 4014 Telephone: (07) 3865 4745 Facsimile: (07) 3865 7494 □ **Rockhampton** Shop 3, 76 Hollingsworth Street

□ Rockhampton Shop 3, 76 Hollingsworth Street North Rockhampton QLD 4701 Postal Address: PO Box 1124 North Rockhampton QLD 4701 Telephone: (07) 4921 0978 Facsimile: (07) 4921 0981

For all account enquiries Phone (02) 8878 1320 Fax (02) 9808 4977

Instructions for 125A Cable Reel Plug, Receptacle AND Back to Back Receptacle Inst. Rest 125A - 1

The equipment is certified IECEx TRA 16.0015X and ANZEx 20.4170X (maximum surface temperature = 150°C) and is designed to AS/NZS1299, IEC60079-0 & 60079-1 and the plug will accept suitably rated cables manufactured to AS/NZS1802 and AS/NZS2802. It is recommended that the equipment is overhauled at intervals that do not exceed the requirements of AS/NZS290.1. Maintain to the requirements of AS/NZS3800 for receptacles and plugs and AS/NZS1747 for cable fitment by suitably competent persons.

Catalogue Number	Description	
AF264R	125AMP 660 VOLT 4 PIN RESTRAINED CABLE REEL PLUG	
AF214R	125AMP 1100 VOLT 4 PIN RESTRAINED CABLE REEL PLUG	
AG214BL	125AMP 1100 VOLT 4 PIN RESTRAINED CABLE REEL RECEPTACLE LEFT HAND BRASS	
AG214BR	125AMP 1100 VOLT 4 PIN RESTRAINED CABLE REEL RECEPTACLE RIGHT HAND BRASS	
AG214SL	125AMP 1100 VOLT 4 PIN RESTRAINED CABLE REEL RECEPTACLE LEFT HAND S. STEEL	
AG214SR	125AMP 1100 VOLT 4 PIN RESTRAINED CABLE REEL RECEPTACLE RIGHT HAND S. STEEL	
AH214S	125AMP 1100 VOLT 4 PIN R BACK TO BACK RECEPTACLE S. STEEL	

Installation

<u>Note</u>: This document is to be used as a guide only. Responsibility for correct termination and termination procedure is the responsibility of the cable terminator.

Plug installation

- Ensure there is no visible sign of damage to plug
- Ensure the correct size Neoprene cone is available
- Slide gland cap, grommet and plug body up the cable
- Prepare cable to the dimensions given on the separately supplied stripping diagram taking care not to damage the core insulation screening or to cut into the conductor strands.
- Select, crimp or solder the thimbles to the phase, pilot and earth conductors.
- Use of PVC tape to seal cores is not recommended
- Fit the assembled thimbles and conductors to the appropriate location ensuring correct phase orientation and secure in place with screws through the sockets where appropriate.
- Install interior into plug body with correct rotation and fit sockets with screws.
- Slide earth sleeve over the interior and screw into plug body.
- Tighten screws on gland cap.

mintoindustrial products

Receptacle installation

- Ensure there is no visible sign of damage to the receptacle
- Ensure that the cable reel aperture has a maximum diameter of 51.25mm and a minimum flamepath length of 25mm
- Secure the receptacle to the cable reel using the keeper plate and fasteners provided by the cable reel manufacturer.

This brochure is distributed with the understanding that the authors and editors are not responsible for the results of any actions taken on the basis of the information in this work, or any errors or omission. Further, Minto Industrial Products is not engaged in rendering professional services. Minto Industrial Products expressly disclaims all and any liability to any person in respect of anything and of the consequences of anything done or omitted to be done by any such person in reliance whether whole or partial of the whole or any part of the contents of this publication. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Minto Industrial Products.

Inst. Rest 125A – 1 Page 1 of 4















- □ **Sydney** 18-20 Railway Road Meadowbank NSW 2114 Postal Address: Locked Bag M3 Meadowbank NSW 2114 Telephone: (02) 9807 6155 Facsimile: (02) 9808 2033
- Melbourne 3-5 Dissik Street Cheltenham Vic 3192
 Telephone: (03) 9532 1233 Facsimile: (03) 9553 3502
 Perth 36 Division Street Welshpool WA 6106
 Telephone: (08) 9358 1788 Facsimile: (08) 9358 1733
- □ Brisbane 485A Zillmere Road Zillmere QLD 4034
 Postal Address: PO Box 642 Virginia Qld 4014
 Telephone: (07) 3865 4745 Facsimile: (07) 3865 7494
 □ Rockhampton Shop 3, 76 Hollingsworth Street
- ☐ Hocknampton Shop 3, 76 Hollingsworth Street North Rockhampton QLD 4701 Postal Address: PO Box 1124 North Rockhampton QLD 4701 Telephone: (07) 4921 0978 Facsimile: (07) 4921 0981

For all account enquiries Phone (02) 8878 1320 Fax (02) 9808 4977

Thimbles for plug phase and pilot conductors

• Thimble details are on drawing F-198

Use

Isolate power before connecting or disconnecting.

Assembly

- Ensure sockets are clean and serviceable.
- Correct plug orientation.
- Insert plug using the receptacle operating mechanism.

Disassembly

- To remove plug from receptacle, utilize the operating mechanism.
- Fit dust cover to plug and receptacle.

Certification Details:

Certified to: IEC 60079-0:2011(Incorporating Corrigendum 1 & 2) IEC 60079-1:2014; AS/NZS 1299:2009

(incorporating amendment No.1)

Certificate of Conformity: IECEx TRA 16.0015X; ANZEx 20.4170X

Type of Protection: Ex db I Mb

Type (AS/NZS 1299) Type A

Ingress Protection: IP 66 (When coupled to a receptacle)

• Certification Nameplate Details

TYPICAL PLUG RATING PLATE DETAILS	TYPICAL RECEPTACLE RATING PLATE DETAILS
M.I.P.	M.I.P.
AF2#4\$ 125A	AG214\$@ 125A 1100V
IP66 TYPE "A"	IP66 TYPE "A"
Ex db I Mb IECEx TRA 16.0015X	Ex db I Mb IECEx TRA 16.0015X
ANZEx 20.4170X S.O xxxx-xx	ANZEx 20.4170X S.O xxxx-xx
WARNING	WARNING
DO NOT SEPARATE WHEN ENERGIZED	DO NOT SEPARATE WHEN ENERGIZED
TYPICAL BACK TO BACK RECEPTACLE RATING PLATE	
DETAILS	
M.I.P.	
AH214S 125A 1100V	
IP66 TYPE "A"	
Ex db I Mb IECEx TRA 16.0015X	
ANZEx 20.4170X S.O xxxx-xx	
WARNING	
DO NOT SEPARATE WHEN ENERGIZED	

LEGEND: # =6=660V @=R=RIGHT HAND # =1=1100V @=L=LEFT HAND \$= R=RUBBER INTERIOR \$=B=BRASS

\$=S=STAINLESS STEEL

Note

The CMI Plug/Receptacle combination is rated at 150A when fitted with 35mm² CSA cable (Refer IECEX Certificate).

This brochure is distributed with the understanding that the authors and editors are not responsible for the results of any actions taken on the basis of the information in this work, or any errors or omission. Further, Minto Industrial Products is not engaged in rendering professional services. Minto Industrial Products expressly disclaims all and any liability to any person in respect of anything and of the consequences of anything done or omitted to be done by any such person in reliance whether whole or partial of the whole or any part of the contents of this publication. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Minto Industrial Products.

Inst. Rest 125A – 1 Page 2 of 4

















- □ **Sydney** 18-20 Railway Road Meadowbank NSW 2114 Postal Address: Locked Bag M3 Meadowbank NSW 2114 Telephone: (02) 9807 6155 Facsimile: (02) 9808 2033
- □ **Melbourne** 3–5 Dissik Street Cheltenham Vic 3192 Telephone: (03) 9532 1233 Facsimile: (03) 9553 3502
- □ **Perth** 36 Division Street Welshpool WA 6106 Telephone: (08) 9358 1788 Facsimile: (08) 9358 1733
- □ Brisbane 485A Zillmere Road Zillmere QLD 4034
 Postal Address: PO Box 642 Virginia Qld 4014
 Telephone: (07) 3865 4745 Facsimile: (07) 3865 7494
 □ Rockhampton Shop 3, 76 Hollingsworth Street
- □ Rockhampton Shop 3, 76 Hollingsworth Street North Rockhampton QLD 4701 Postal Address: PO Box 1124 North Rockhampton QLD 4701 Telephone: (07) 4921 0978 Facsimile: (07) 4921 0981

For all account enquiries Phone (02) 8878 1320 Fax (02) 9808 4977

Flamepath Details

Refer to the drawings listed on the certificate for details of flamepaths

Typical Assembly Details





Conditions of Certification

 When the 125A, 660V/1100V restrained cable reel plug is engaged with the receptacle, the assembly is locked by jacking screw mechanism. Further the plug is marked with the following text: "DO NOT SEPARATE WHEN ENERGIZED"

Conditions of Use

 Some flameproof joints (flamepaths) have dimensions that are different than the values given in table 2 of IEC60079.1. Refer to the manufacture's drawings for details.

This brochure is distributed with the understanding that the authors and editors are not responsible for the results of any actions taken on the basis of the information in this work, or any errors or omission. Further, Minto Industrial Products is not engaged in rendering professional services. Minto Industrial Products expressly disclaims all and any liability to any person in respect of anything and of the consequences of anything done or omitted to be done by any such person in reliance whether whole or partial of the whole or any part of the contents of this publication. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Minto Industrial Products.

Inst. Rest 125A – 1 Page 3 of 4

Rev E 2020-02-28















- □ **Sydney** 18-20 Railway Road Meadowbank NSW 2114 Postal Address: Locked Bag M3 Meadowbank NSW 2114 Telephone: (02) 9807 6155 Facsimile: (02) 9808 2033
- Melbourne 3-5 Dissik Street Cheltenham Vic 3192 Telephone: (03) 9532 1233 Facsimile: (03) 9553 3502
- □ **Perth** 36 Division Street Welshpool WA 6106 Telephone: (08) 9358 1788 Facsimile: (08) 9358 1733

□ Brisbane 485A Zillmere Road Zillmere QLD 4034
Postal Address: PO Box 642 Virginia Qld 4014
Telephone: (07) 3865 4745 Facsimile: (07) 3865 7494
□ Rockhampton Shop 3, 76 Hollingsworth Street

□ Rockhampton Shop 3, 76 Hollingsworth Street North Rockhampton QLD 4701 Postal Address: PO Box 1124 North Rockhampton QLD 4701 Telephone: (07) 4921 0978 Facsimile: (07) 4921 0981

For all account enquiries Phone (02) 8878 1320 Fax (02) 9808 4977

Maintenance

- Inspection shall include cleanliness and compliance with certification documentation.
- Check as per AS/NZS2290.1

Overhaul and Repair

To be carried out by suitable workshop.

Operating Temperature

 Operating temperature range -20°C to +40°C and average temperature over 24 hours is not to exceed 35°C

Refer to Inst. Rest 125A - 2 for additional detailed instructions

This brochure is distributed with the understanding that the authors and editors are not responsible for the results of any actions taken on the basis of the information in this work, or any errors or omission. Further, Minto Industrial Products is not engaged in rendering professional services. Minto Industrial Products expressly disclaims all and any liability to any person in respect of anything and of the consequences of anything done or omitted to be done by any such person in reliance whether whole or partial of the whole or any part of the contents of this publication. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Minto Industrial Products.

Inst. Rest 125A – 1 Page 4 of 4



Rev E 2020-02-28







