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Instructions for 60, 150 & 300/425A Earthing Receptacle

Catalogue Number	Description		
AG614BE	60 AMP 1100 VOLT 4 PIN RESTRAINED EARTHING RECEPTACLE		
AG664BE	60 AMP 660 VOLT 4 PIN RESTRAINED EARTHING RECEPTACLE		
AG114BQRE	150 AMP 1100 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG164BQRE	150 AMP 660 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG314BQRE	300 AMP 1100 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG316BQRE	300 AMP 1100 VOLT 6 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG334BQRE	300 AMP 3300 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG336BQRE	300 AMP 3300 VOLT 6 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG364BQRE	300 AMP 660 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG414BQRE	425 AMP 1100 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG416BQRE	425 AMP 1100 VOLT 6 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG434BQRE	425 AMP 3300 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG436BQRE	425 AMP 3300 VOLT 6 PIN RESTRAINED Q/R EARTHING RECEPTACLE		
AG464BQRE	425 AMP 660 VOLT 4 PIN RESTRAINED Q/R EARTHING RECEPTACLE		

Receptacle Installation

- Ensure there is no visible sign of damage to the receptacle
- Ensure the mounting pad complies with the attached sketch
- The special fasteners used on the enclosures to mount the earthing receptacle to the flameproof enclosure shall be of minimum grade 4.6 (yield stress 240 MPa).
- Or A*-70 Stainless Steel (yield stress 450 MPa) or 4.6 Mild Steel (yield stress 240 MPa).

Assembly

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

Disassembly

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- 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 ExTC 21.0017X and ANZEx 22.4176X

Type of Protection: Ex db I Mb

Type (AS/NZS 1299) Type A

Ingress Protection: IP66/68 (2 metres for 30 minutes)



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Certification Nameplate Details

TYPICAL 60A RATING PLATE DETAILS	TYPICAL 150A RATING PLATE DETAILS
M.I.P	M.I.P AG1#4BQRE 150A # VOLTS 6 = 660V 1 = 1100V IP66/68 Ex db I Mb IECEX EXTC 21.0017X ANZEX 22.4176X TYPE A S.O XXXXX-XX WARNING DO NOT SEPARATE WHEN ENERGIZED
TYPICAL 300A RATING PLATE DETAILS	TYPICAL 425A RATING PLATE DETAILS
M.I.P AG3#%BQRE 300A # VOLTS	M.I.P AG4#%BQRE 425A # VOLTS

Earthing

The receptacle must be suitably earthed to the enclosure.

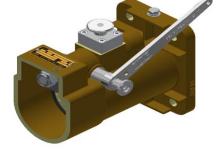
Flamepath Details

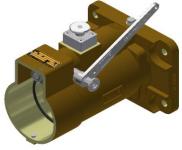
Refer to the drawings listed on the certificate for details of flamepaths

Typical Arrangement









150A

300/425A

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Specific Conditions of Use

The flange flamepath used to assemble the receptacles to flameproof enclosures shall be of minimum width 12.5mm and maximum gap 0.4mm and a surface roughness Ra of 6.3µm or better. This flange is only classified as a flamepath when the earthing receptacle is mounted to a flameproof enclosure that has an existing cable entry hole through the wall to the interior of the enclosure.

Maintenance

Inspection shall include cleanliness and compliance with certification documentation.

Overhaul and Repair

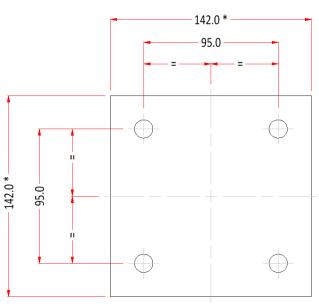
- To be carried out by suitable workshop.
- It is recommended that the equipment is overhauled at intervals that do not exceed the requirements of AS/NZS2290.1

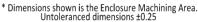
Operating Temperature

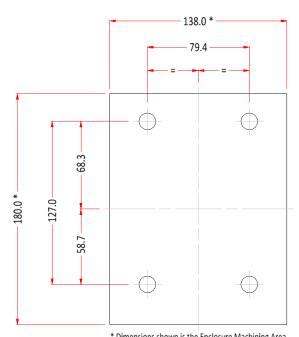
Operating temperature range -20°C to +40°C and average temperature over 24 hours is not to exceed

60A Mounting Details

150A Mounting Details







* Dimensions shown is the Enclosure Machining Area. Untoleranced dimensions ±0.25



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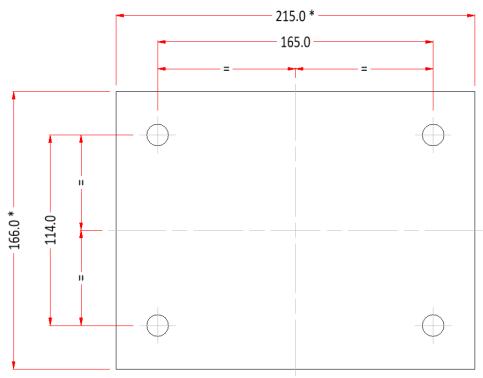


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300/425A Mounting Details



* Dimensions shown is the Enclosure Machining Area. Untoleranced dimensions ±0.25



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