



### Explosion Protected Group IIB Zone 1

Ex d Ring Enclosure

Ex e Terminal Boxes

#### OPTIONS

- Mounting flange / brackets to Customer's requirements
- Anti-condensation heater (self regulating)
- Hollow shaft
- Stainless Steel construction
- Internal or External slew limit switch
- Internal or External azimuth encoder
- Factory fitted flying leads
- Special features to handle I.S. circuits
- Fibre Optic Rotary Joint

#### OPERATING SPECIFICATION

Ambient Temperature Range	-20 °C to +45 °C
Maximum Speed	40 rpm (higher on request)
Maximum Voltage	up to 6.3kV (standard 700V ac)
Maximum Throughput Current	3000 Amps excluding earths and neutrals
Protection	IP66
Mounting	In any plane

#### TECHNICAL DETAILS

Housing Material	Mild Steel (see options)
Shaft	Carbon Steel 080M40
Bearings	Sealed for life, ball journal
Slip Rings	Phosphor bronze (precious metal plated for signals)
Brushes	Minimum of 2 per ring (Copper Graphite for power, Silver Graphite for signals)
Fasteners	Stainless Steel Metric

#### APPROVAL

Certification - ATEX	Baseefa 02ATEX0060X/13 $\text{Ex} \text{ II } 2 \text{ GD Ex d e IIB T4 Gb}$ $T_{\text{amb}} -20^{\circ}\text{C to } +45^{\circ}\text{C}$ $\text{Ex tb IIIC T135}^{\circ}\text{C}$
Certification - ATEX (utilising FORJ)	Baseefa 02ATEX0060X/13 $\text{Ex} \text{ II } 2 \text{ GD Ex d e op is IIB T4 Gb}$ $T_{\text{amb}} -20^{\circ}\text{C to } +45^{\circ}\text{C}$ $\text{Ex tb IIIC T135}^{\circ}\text{C}$
Certification - IECEx	IECEx BAS 09.0099X $\text{Ex d e IIB T4 Gb } T_{\text{amb}} -20^{\circ}\text{C to } +45^{\circ}\text{C}$ $\text{Ex tb IIIC T135}^{\circ}\text{C Db}$
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