



Bharat Heavy Electricals Limited, Bhopal
A.C. MACHINES ENGG. DIVISION

Annexure - I to PI No. :- 240440016

Specification for Ex'd' Type Speed Switch

Scope of Supply

Flame Proof (Ex'd') type Speed Switch suitable for Zone-2, IIC, T3 conforming to IS/ IEC:60079-1 consists of monitoring unit, sensor probe and cable with following details -

A) Monitoring Unit

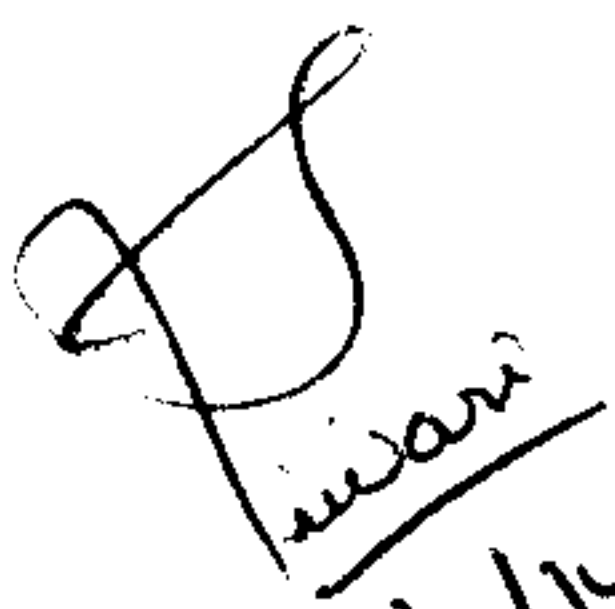
Enclosure	-	Cast Aluminum
Protection Class	-	IP65
Supply	-	110V, 1Ph AC
Contact Arrgt.	-	2 C/O (1 NO + 1 NC)
Rating	-	5A Resistive at 240V AC
Speed Range	-	100 - 1000 rpm
Flags	-	1 pulse / rev.

B) Sensor Probe

Type	-	Non contact inductive type
Enclosure	-	Stainless Steel tube
Protection Class	-	IP67
Probe size / length	-	M24 x 60 mm (Non flush mounting)
Sensing distance	-	6 mm $\pm 10\%$
Termination	-	2C x 0.4 mm ² , 10 M long PVC cable

Documents and Certificates

- 4 copies of Catalogue and O&M Manual with offer
- The certificate of compliance to relevant IS / IEC standard for use of Exd Speed Switch in Zone-2, Gas Group IIC, Temp. class T3 hazardous area from Statutory Agencies like CIMFR & CCOE.
- The certificate of factory testing as per relevant standards and type test approval from Statutory Agencies along with offer.


शशांक तिवारी / SHASHANK TIWARI
अभिकल्प अभियंता / Design Engineer
ए.एच.ई. विभाग / A.C. Division
बी.एच.ई.एल., भोपाल / B.H.E.L., BHOPAL