

PURCHASE SPECIFICATION

FOR

6VAC FIELD LOSS RELAY

FOR

OIL RIG APPLICATION



SPECIFICATION NO : OR12436
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Specification for 6VAC Field Loss Relay for Oil Rigs

01. Introduction

This specification covers the requirement of 6VAC field loss relay for oil rig application.

The oilrig control system employs DC drives, where separately excited DC shunt motors are used. The shunt field of DC motors are supplied thru 600VAC via transformer & diode/SCR rectifier circuit. Once the field supply of DC motor is energized, a signal is generated thru CT, regulated via 6.2VAC zener diodes for operation of 6VAC field loss relay. The auxiliary contacts of this relay is used in assignment logic of oil rig controls. Hence proper operation of this relay becomes critical to control logic system for oil rigs.

02. Description of Field Loss Relay

Based on above, the requirement is for following OEN make or equivalent relay:

Item Description	Part No/ Model No	BHEL Style code
Control Relay with 6VAC coil and 2 NO + 2 NC auxiliary contacts	3R-3-6	BP9048121167

03. Brief Technical Requirements

- a) Only 3R-3-6 relay with 6VAC coil of M/s OEN make or equivalent relay to be offered for the above requirement.
- b) The relay should be suitable for mounting on 35mm DIN rail.
- c) The relay to be supplied along with relay socket & retaining clip.

04. General terms & Conditions

1. Supplier to furnish the catalogs & drawings of the offered Relay.
2. Supplier to ensure three sets of following documentation along with supply.
 1. Test & Guarantee Certificate (TC & GC)
 2. Dimensional drawings with mounting instruction/details

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3. All the items to be supplied as per delivery mentioned in delivery schedule. However, the delivery schedule, Ex-works, shall not be more than 10-12 weeks .
4. Supplier to provide warranty of 18 months from date of supply or 12 months from the date of commissioning against failure of any item/system due to design/manufacturing deficiencies/quality lapses.
5. All other terms & conditions shall be as per standard BHEL terms & conditions.