

# TECHNICAL DATA SHEET

## MOTOR/PUMP PROTECTION RELAY- D2 MPR2 ( with Dry Run , Overload Protection, Phase Failure & UV+OV )



### Supply Voltage

**System Supply** : 380-440V AC  $\pm$  20%, 48-63 Hz  
**Auxiliary Supply** : 220-240  $\pm$  20% VAC

### Trip Setting (Volts)

Phase to Phase Unbalance : 50% of Motor Current (Fixed)  
 Under Current (Dry Running) : 50% of set current (Fixed)  
**Overload** : As per inverse time characteristics  
**UV / OV** : UV = -20% (Fixed) OV = +20% (Fixed)

### Trip Time Delay

**On Phase Failure** : 4 Sec  $\pm$  1 Sec.  
**For Over Loading** : As per Inverse Time Characteristics  
 2 Sec. (Fixed)  
 UV / OV / RP : For UV/OV - 4 Sec  $\pm$  1 Sec for RP – Instant

**Input** : From S2 CTS1  
**Resetting Mode** : Delayed Auto  
**Output Contacts** : 2 CO

### Dimensions (mm)

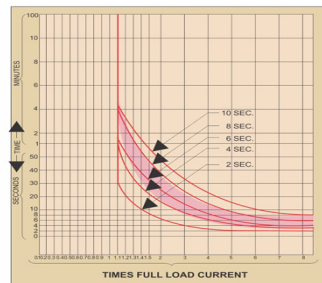
**Over All (LXWXD)** : 76 x 56.5 x 117.5  
**Mounting (L xW)** : 67 X 46 / 35 MM Rail Mounting

### Selection Chart For CTS

Selection Chart for CTS.

HP	KW	Amp	S2 CTS1 Model
<3	<2.25	2 - 5	S2 CTS1/5
<6	<4.5	4 - 10	S2 CTS1/10
<12.5	<9.4	8 - 20	S2 CTS1/20
<30	<22.5	16 - 40	S2 CTS1/40
<60	<45	32 - 80	S2 CTS1/80

### Times full Load Current



Wherever not specified

Contact Rating: 5A @ 230 V AC (resistive) \* CE marked products available on request.

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