

Only Way to Signal Kontrol

**CORE Approved
Matrix Motor Kontrol's
CLS Pannels, AC DC Boards,
Distribution Boards,
Battery Chargers,
Bus Bars :**



TYPE TESTED AT CPRI	
DEGREE OF PROTECTION IP-55	SHORT CIRCUIT LEVEL 50 KA

ANC LLARY STEEL AUTHORITY OF INDIA BHILAI STEEL PLANT

APPROVED PANNEL BU LDER INDIAN RAILWAY

Protecting People, Property & Production Since 1983

APPROVED PANEL BUILDER



MMK : Leader in controlling electric power.

MATRIX CLS Panels are manufactured as per RDSO Specification No : TI/SPC/PSI/CLS/0020 for 5KVA, 10KVA, 25KVA & 50KVA.

MATRIX CLS Panels are designed to operate at ambient temperature 50°C.

MATRIX CLS Panels are designed to operate at 240+10%V AC 50Hz; with Auto Cut at 165V AC & 270+5%V AC for all the three supply sources (Main, AT 1 & AT2).

MATRIX CLS Panels are designed for Auto change Over from Main Source of supply to stand by supply AT 1 in case of failure/Auto-cut of Main Source. In case of failure/Auto-cut of Main Source and stand by supply AT 1 Auto Change Over from stand by supply AT 1 to stand by supply AT 2; and in case of restore of these supplies; back again to stand by supply AT 1 or Main Supply.

MATRIX CLS Panel will provide supply to the out going circuit automatically, if any of these three supplies are available, ranging from 165V AC to 270+5%V AC.

MATRIX CLS Panels have switching time of less than 100milli second from one supply to another supply.

MATRIX CLS Panels are provided with a Buzzer Circuit, which operates at every chage over. The buzzer can only be reset manually, for which a Reset Push Button is provided at panel door for easy operation.

MATRIX CLS Panels are made from 1.6mm thick CRCA sheet. The enclosure is completely dust and vermin proof with hinged door having locking arrangements.

MATRIX CLS Panels are provided with 60Watt 240VAC lamp with ON/OFF switch for internal lighting. If any of the incoming supplies is available, the lamp can be switched ON.

MATRIX CLS Panels have provision for entry and termination of three incoming Aluminium conductor, PVC insulated, PVC sheathed, 1100V, armored power cables of 2x25Sq mm for 5 KVAAT, 2x70Sqmm for 10 KVAAT, 2x185Sq mm for 25 KVAAT, 2x300Sq mm for 50 KVAAT and 4No out going cables of 6Sq mm; each with suitable Cable Glands.

MATRIX CLS Panels are provided with high conductivity, electrolytic, tinned copper bus bar of suitable rating.

MATRIX CLS Panels are provided with rotary switch of approved make of suitable current rating having following positions:

1. Off
2. Main Supply
3. Stand by Supply from AT1
4. Stand by Supply from AT2
5. Auto

MATRIX CLS Panels are provided with MCBs of Suitable rating, for operation on 240V AC 50Hz of minimum 10KA Breaking Capacity. MCBs are enclosed in clear acrytic cover to prevent un-authorized operation/interference.

MATRIX CLS Panels are provided with operating knobs of rotary switch and MCBs out side the door, for easy operation.

MATRIX CLS Panels are provided with suitable rating contactors of approved make. The contacts are silver plated, bounce proof and have ample cross-section to carry the rated current continuously with out exceeding the permissible temperature rise.

MATRIX CLS Panels are provided with 10No. LED type indicating lamps of 22.5mm dia. 3No for indication of Incoming Supply, 3No for indication of out going Source and 4No for indication of out going supply.

MATRIX CLS Panels are designed in such a way that maintenance, repairing and replacement of any contactor of any source supply can be done, with out interrupting the out going supply.

Estd : 1983



Matrix Motor Kontrol

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