The MC73-44-R is a 4 channel relay card which provides isolation between contacts and input circuits (8 mm/4 kV).

- 4 channel relay card
- Isolation as per VDE 0106 between control and output circuits
- Bridge rectifier to accept npn, pnp or AC inputs
- Relay as per VDE 0435
- Printed circuit boards and connectors as per VDE 0110
- 8 mm clearances and creepage distances between contacts and input circuits
- Output contacts protected by RC snubber
- Sealed relays with hard gold-plated contacts

The status of each output relay is indicated by a respective LED on the front panel of the card.

A carefully arranged layout of the printed circuit board ensures maximum clearances and creepage distances. A bridge rectifier connected to the relay coils allows the card to operate with either pnp (current sinking), npn (current sourcing) or AC input devices.
## Couplers and Interface Devices

**Type**
- MC73-44-R/24VUC
- Ident-No. 90 770

### Clearances and Creepage Distances
between control circuit and contacts: 8 mm/4 kV

### Input Circuits
- **Input current**: 20.4...27.6 VUC
- **Power/current consumption**: ≤ 30 mA per channel

### Output Circuits
- **relay output**
- **Contacts**: 1 SPDT contact, silver-alloy + 3 µm Au, with RC snubber circuit
- **Switching voltage**: ≤ 250 V
- **Switching current/continuous current**: ≤ 3 A
- **Switching capacity**: ≤ 750 VA/90 W
- **Switching frequency**: ≤ 10 Hz

### LED Indications
- **Status indication yellow**

### Eurocard
- **Material**: glass-fiber reinforced epoxy resin, quality class FR4
- **Front panel**: plastic, 4TE = 20.32 mm
- **Connection**: connector per DIN 41612, type F, 32-pole
- **Operating temperature**: -25... +60 °C