

UMK 45-RELAY

High DC Current Relay Module

Data Sheet 1116B

March 2001

Features

- 45 mm wide (1.77")
- Pluggable base includes Potter & Brumfield KUEP style relay
- Single Pole Single Throw (SPST) relay
- Double make contact
- DIN-rail mounted with universal foot
- Coil status indication
- Inductive kickback diode on DC version
- Separation of coil and contact wiring

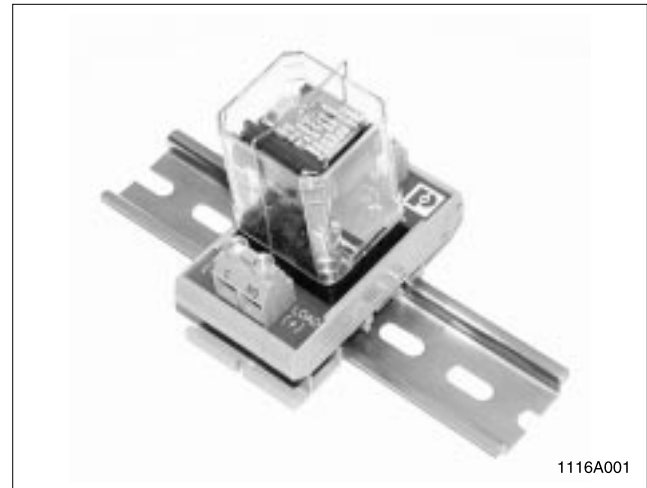


Figure 1. UMK 45-RELAY

Description

The UMK relays are industrial interface relays used in applications where low level control signals must switch high level dc loads. These relays are well suited for switching either 48 V dc or 125 V dc used in the power utility industry.

The UMK 45 RELAY provides a 1 pole double make contact. This relay also incorporates a blow out magnet for controlling high DC voltage switching.

Features incorporated into the pluggable base include coil indication and inductive kickback protection diodes for 24 V dc, 48 V dc and 125 V dc.

Table 1. UMK 45-RELAY Specifications

General Specifications	
Technical Data	
Contact rating	10 A @ 150 V dc
Input Coil Voltages	
.....	24 V dc
.....	48 V dc
.....	120 V ac
.....	125 V dc
General	
Wire size	30 - 12 AWG
Coil	30 - 12 AWG
Contact	30 - 10 AWG
Operating temperature	-45°C to 85°C
Electrical life	1 x 10 ⁵ operations @ 10 A
Dimensions	
Height	3.38 in. (85.5 mm)
Width	1.77 in. (45 mm)
Depth	3.03 in. (77 mm)

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UMK 45-RELAY Module

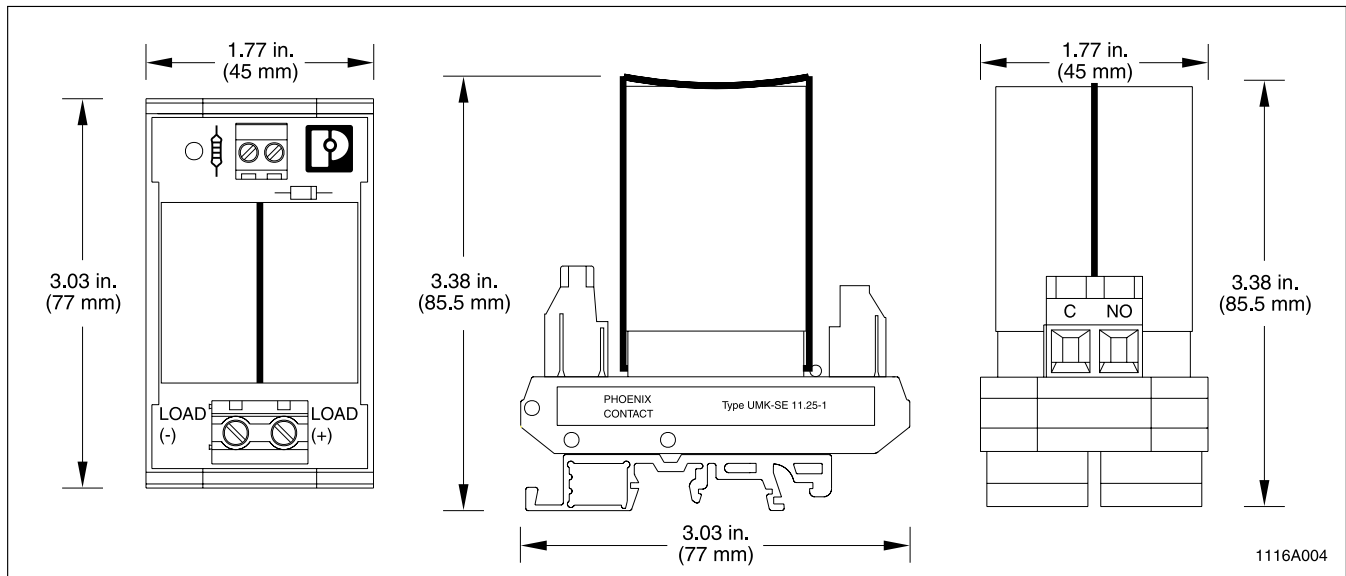


Figure 2. UMK 45-RELAY Dimensions

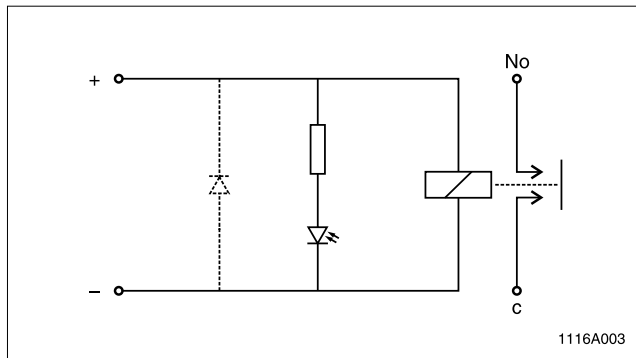


Figure 3. UMK 45-RELAY Block Diagram

The UMK 45-REL/KUEP Base accepts the following relays:
 Potter & Brumfield
 KUE and KUEP Single Pole Single Throw
 (SPST-NO-DM)

Ordering Information

Relay and Base

UMK 45-REL/KUEP-ST-24DC/1-EHC	56 01 74 2
UMK 45-REL/KUEP-ST-48DC/1-EHC	56 02 71 9
UMK 45-REL/KUEP-ST-120AC/1-EHC	56 01 74 1
UMK 45-REL/KUEP-ST-125DC/1-EHC	56 02 11 4

Base (no indication)

UMK 45-REL/KUEP-ST-EMC-BASE	56 02 72 0
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