

# MC5R - Single Channel Change-Over Relay

## MC5R Single Channel Change-Over

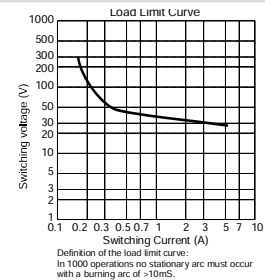
- Ultra compact 6mm wide housing
- Change-over contact
- 6A/240Vac rated
- Combifoot housing: TS32 & TS35
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- 4000Vrms isolation
- LED relay state indication
- Input diode protection
- Coil back-EMF diode protection



### Technical Data

Input A (Nominal Voltage)	12Vdc	24Vdc	48Vdc	220/240Vac	110/120Vac
Nominal Operate Voltage (typical)	-	-	-	160-250Vac	85-125Vac
Nominal Operate current @ 20°C (typical)	14mA	7mA	15mA	14mA	7mA
Drop-out current @ 20°C (typical)	2.5mA	1.7mA	0.7mA	-	-
Pick-up current (typical)	9mA	3.2mA	2.2mA	-	-
AC Frequency Range	-	-	-	47-63Hz	47-63Hz
<b>Output</b>					
Type	Change-over Contact				
Contact material	Standard	Silver Alloy (Cadmium free)			
	Gold plated	Gold plated silver alloy (for low current switching)			
Nominal Switching Capacity	250Vac 6A, 30Vdc 6A (resistive) - Refer to load limit curve				
Maximum Continuous Current	6A (at maximum voltage) resistive				
Minimum Switching Capacity	Standard	12Vdc, 500mA			
	Gold plated	100mVdc, 0.1mA			
Maximum Switching Power	1500VA, 180W				
Operate time/Release time (at nominal voltage)	10mS/5mS				
Maximum Operating speed	6 operations per second				
Contact Life	10,000,000 @ 10mA, 24Vdc				
	5,000 @ 6A, 250Vac				
Mechanical life	10,000,000 operations				
<b>Isolation</b>					
Initial breakdown voltage	Between open contacts	750Vac			
	Between contacts & coil	2000Vac			
Surge Strength	4000V				
<b>General</b>					
Terminal width	6mm				
Width across rail	76mm				
Height on rail	TS32	68mm			
	TS35 x 7.5	63mm			
	TS35 x 15	71mm			
Operating temperature range	-40°C to +60°C				
Conductor size	Solid	0.5 to 4.0mm <sup>2</sup>			
	Flexible	0.5 to 2.5mm <sup>2</sup>			

### Installation



#### General

**Warning:** to be installed/maintained by qualified personnel as per instructions, or module safety may be compromised, Design for IEC684 Installation Category II use.

#### Cleaning

Wipe only with a damp cloth (remove power before cleaning).

#### Location

To be installed in a metal enclosure.

### Ordering Information

#### MC5R Ordering

Nom. Volt.	Silver Alloy Contacts	Gold Plated Contacts
12Vdc	7901610000	7906840000
24Vdc	7901620000	7906850000
48Vdc	7901630000	7906860000
110/120Vac	7901500000	
220/240Vac	7901520000	

#### Accessories

End Plate	AP	7940005681
End Brackets	EW(TS35)	0383560000
	EWK(TS32)	0206160000

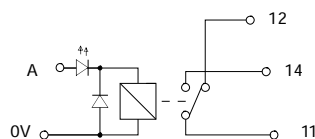
#### Cross Connection Parts

Insulated	2 pole	0482700000
	3 pole	0482800000
	4 pole	0482900000
Uninsulated	75 pole straight	0535200000
	75 pole angled	0526400000

#### Mounting rail

TS32	0122800000
TS35 x 7.5	0383400000
TS35 x 15	0236400000

### Circuit diagram



### Mounting

