

SINGLE PHASE SOLID STATE RELAYS

okpac®



celduc® offers
"ready to use"
solutions with
integrated heatsink.

SO7

→ Random

Typical applications : Motors (AC-53), inductive loads and phase angle control applications.
- Random or instant switching
- Voltage protection on input (transil) and output (RC and VDR) depending on models.

| Product reference | Thyristor rating | Switching voltage | Peak voltage | Control voltage | I _t | Protec. |
|-------------------|------------------|-------------------|--------------|-----------------|------------------------|---------|
| SO745090 | 50A | 12-275VAC | 600V | 3-32VDC | 2 800A ² s | RC-VDR |
| SO763090 | 35A | 24-510VAC | 1200V | 3.5-32VDC | 1 250A ² s | RC-VDR |
| SO765090 | 50A | 24-510VAC | 1200V | 3.5-32VDC | 2 800A ² s | RC-VDR |
| SO767090 | 75A | 24-510VAC | 1200V | 3.5-32VDC | 7 200A ² s | RC-VDR |
| SO768090 | 95A | 24-510VAC | 1200V | 3.5-32VDC | 16 200A ² s | RC-VDR |
| SO769090 | 125A | 24-510VAC | 1200V | 3.5-32VDC | 24 000A ² s | RC-VDR |
| SO789060 | 125A | 24-690VAC | 1600V | 3.5-32VDC | 22 000A ² s | - |



• Dim. 45 x 58.5 x 30 mm

These products should be mounted on heatsinks in order to reach nominal current.

SO8

→ Zero-cross for
most types of loads

SO8 range designed for most types of loads
→ Zero cross with low zero-crossing level (<12V)
→ Voltage protection on input (transil) with very high immunity according to IEC/EN61000-4-4 depending on models
→ Control current < 13mA for all the voltage range at any operating temperature.

| Product reference | Thyristor rating | Switching voltage | Peak voltage | Control voltage | I _t | Protec. |
|-------------------|------------------|-------------------|--------------|-----------------|------------------------|---------|
| SO842074 | 25A | 12-275VAC | 600V | 3-32VDC | 600A ² s | VDR |
| SO842974 | 25A | 12-275VAC | 600V | 20-265VAC/DC | 600A ² s | VDR |
| SO843070 | 35A | 12-275VAC | 600V | 3-32VDC | 1 250A ² s | VDR |
| SO843970 | 35A | 12-275VAC | 600V | 20-265VAC/DC | 1 250A ² s | VDR |
| SO845070 | 50A | 12-275VAC | 600V | 3-32VDC | 2 800A ² s | VDR |
| SO845970 | 50A | 12-275VAC | 600V | 20-265VAC/DC | 2 800A ² s | VDR |
| SO848070 | 95A | 12-275VAC | 600V | 3-32VDC | 16 200A ² s | VDR |
| SO849070 | 125A | 12-275VAC | 600V | 3-32VDC | 22 000A ² s | VDR |
| SO863070 | 35A | 24-510VAC | 1200V | 3.5-32VDC | 1 250A ² s | VDR |
| SO863970 | 35A | 24-510VAC | 1200V | 20-265VAC/DC | 1 250A ² s | VDR |
| SO865070 | 50A | 24-510VAC | 1200V | 3.5-32VDC | 2 800A ² s | VDR |
| SO865970 | 50A | 24-510VAC | 1200V | 20-265VAC/DC | 2 800A ² s | VDR |
| SO867070 | 75A | 24-510VAC | 1200V | 3.5-32VDC | 7 200A ² s | VDR |
| SO867970 | 75A | 24-510VAC | 1200V | 20-265VAC/DC | 7 200A ² s | VDR |
| SO868070 | 95A | 24-510VAC | 1200V | 3.5-32VDC | 16 200A ² s | VDR |
| SO868970 | 95A | 24-510VAC | 1200V | 20-265VAC/DC | 16 200A ² s | VDR |
| SO869070 | 125A | 24-510VAC | 1200V | 3.5-32VDC | 22 000A ² s | VDR |
| SO869970 | 125A | 24-510VAC | 1200V | 20-265VAC/DC | 22 000A ² s | VDR |



• Dim. 45 x 58.5 x 30 mm

| HIGH VOLTAGE RELAY | Product reference | Thyristor rating | Switching voltage | Peak voltage | Control voltage | I _t | Protec. |
|--------------------|-------------------|------------------|-------------------|--------------|-----------------|------------------------|---------|
| | SO885060 | 50A | 24-690VAC | 1600V | 3.5-32VDC | 2 800A ² s | - |
| | SO885960 | 50A | 24-690VAC | 1600V | 20-265VAC/DC | 2 800A ² s | - |
| | SO887060 | 75A | 24-690VAC | 1600V | 3.5-32VDC | 7 200A ² s | - |
| | SO888060 | 95A | 24-690VAC | 1600V | 3.5-32VDC | 16 200A ² s | - |
| | SO889060 | 125A | 24-690VAC | 1600V | 3.5-32VDC | 22 000A ² s | - |

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