thyroswitch 2P

Current **70 – 115 A**

Specifications

DEVICE TYPE	ARTICLE NUMBER	VOLTAGE in V	FREQUENCY in Hz	CURRENT in A
thyroswitch 2ph-400-50-90	V108-10-0001	400	50	90 *
thyroswitch 2ph-400-60-90	V108-10-0002	400	60	90
thyroswitch 2ph-400-50-115	V108-10-0003	400	50	115 *
thyroswitch 2ph-400-60-115	V108-10-0004	400	60	115
thyroswitch 2ph-500-50-70	V108-10-0005	500	50	70 *
thyroswitch 2ph-500-60-70	V108-10-0006	500	60	70
thyroswitch 2ph-120-50-90	V108-10-0007	120	50	90
thyroswitch 2ph-120-60-90	V108-10-0008	120	60	90
thyroswitch 2ph-120-50-115	V108-10-0009	120	50	115
thyroswitch 2ph-120-60-115	V108-10-0010	120	60	115
thyroswitch 2ph-240-50-90	V108-10-0011	240	50	90
thyroswitch 2ph-240-60-90	V108-10-0012	240	60	90
thyroswitch 2ph-240-50-115	V108-10-0013	240	50	115
thyroswitch 2ph-240-60-115	V108-10-0014	240	60	115

* Standard
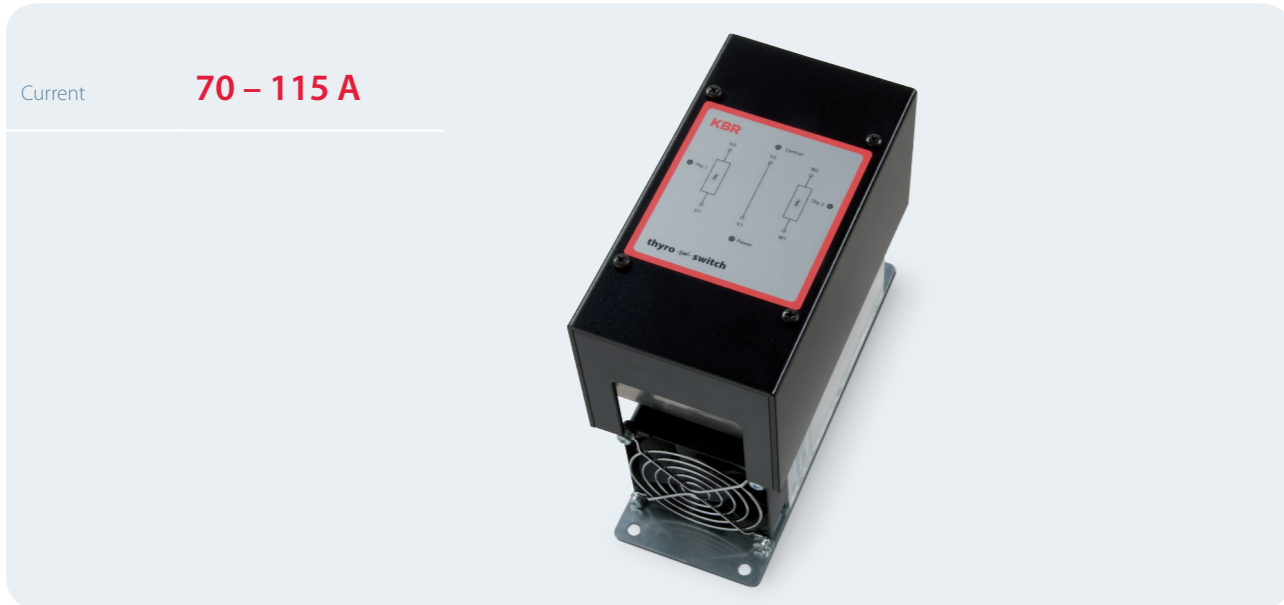
3-phase thyristor switch with two thyristors

Highlights

→ Unlimited switching frequency without load on capacitors

→ No peak inrush current when switching on capacitors

→ Low operating delay

→ Compensation almost in real-time

→ No operating noise

The 3-phase thyristor switch **thyroswitch 2P** is a compact unit ready for connection and enables tuned and detuned capacitors to be connected and disconnected quickly and with no wear and tear. thyroswitch offers significant advantages over conventional standard protections. Among other things, load on the capacitors is reduced by controlled switching, which increases their working life. When switched on, there is no peak inrush current, wear and tear on the switch contacts does not occur.

The thyroswitch is controlled via the **multicomp** reactive power controller or directly via the machine control. The thyroswitch 2P has two thyristors which switch phases L1 and L3. Phase L2 is connected, but not switched on. If the switch-on procedure is activated via a reactive power controller or a control, there is a voltage comparison between the capacitor voltage and the mains voltage. If there is a slight difference, the stage is switched on.