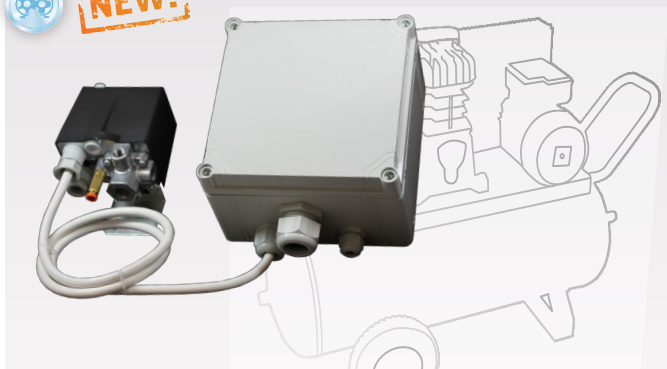




CSDU-M - Star/Delta Connection With Pressure Switch MDR 3



CSDU-M

The Star-delta connection is used in order to reduce high currents when starting electric motors. With this 2-stage starter the inrush current (star circuit) is reduced by 1/3 of the height to be expected when starting the motor directly.

The Condor Pressure Control CSDU offers the possibility to operate a motor until 7.5 kW using public supply networks. This control can be connected to a power supply without neutral leader!

The pressure switch MDR 3 included in the scope of supply replaces a contactor and can be delivered in different options.

The Condor Pressure Control star/delta with pressure with MDR 3 is registered at the German Patent and Trademark Office as utility model number 20 2015 104 249 .

For the star/delta connection special switches or contactor combinations are used. The pressure switch MDR 3 that has to be installed separately to the compressor of the new Condor Pressure Control star/delta CSDU-M serves as a so-called main contactor for this type of control. Thereby the contactor is not necessary anymore. The applied pressure switch MDR 3 can be used

in different pressure ranges and has a wide variety of optional accessories (e.g. unloader valves, on/off switch, phase sequence monitoring and phase drop monitoring, hourmeter kit, etc.). Both of the star/delta contactors as well as the star/delta change-over relays and the motor connecting clamps are built in a compact housing of the CSDU-M.

STANDARD VERSION AND OPTIONS

- stable and **compact housing** (w 200 x h 240 x d 140 mm)
- completely pre-wired and **ready for connection**
- equipped with Condor pressure switch MDR 3, in function as main contactor (available in different variations - see main catalogue)
- **unloader valves**
- **ON-OFF-switch**
- **hour meter** (optional)
- **overload relay** (optional)
- **shunt release or undervoltage release** (optional)
- **phase sequence monitoring** and **phase drop monitoring** (optional)
- Other options available on request

Order reference	Description	Weight (in g)	Part No..
CSDU 7,5 - MDR 3	Condor Star/delta connection with pressure switch MDR 3	4000	286097

Technical Data CSDU 7,5 - MDR 3 to DIN EN 60947	
Operating voltage / supply line	400VAC 50 Hz; 3L/PE
Control voltage	400 VAC 50 Hz
Motor rating P1	7500W
Rated operational current I _e max at 400 V AC 3	16A
Protection on site	20 A (träge)
Time range - transfer relay	0,5 - 32 sek.
Time star > delta	40ms

Technical Data CSDU-MDR 3 to DIN EN 60947	
Degree of protection	IP 54
Protection class	I
Temperature range (storage)	-20 °C to +70 °C
Operating temperature	0 °C...+50 °C
Permissible ambient humidity rel. humidity, non-condensing	10 % up to 90 %
Housing	ABS-plastic housing
Dimension (housing), cable glands	B200 x H240 x T140 mm

INFORMATION / CONTACT:



Condor Pressure Control GmbH
Warendorfer Str. 47-51
D-59320 Ennigerloh/Germany

Phone +49 (0)25 87-89-0 | info@condor-cpc.com
Fax +49 (0)25 87-89-140 | www.condor-cpc.com

*Technical changes and mistakes reserve.