

PRODUCT INFORMATION

C153, C156

**3 pole AC cam contactors
for grid-tied inverter systems**



Schaltbau has updated its line of cam contactors that have proven their worth over decades. Like the CT and CA Series the new contactors come with double winding coil and electronic coil controller which provide for improved energy efficiency with respect to the contactor's holding power, emissivity and power consumption. The 3 pole versions C153 and C156 designed for voltages up to 1,000 V are ideally suited for use on the AC end of inverters of grid-tied wind turbine or photovoltaic systems.

Features

- 3 pole versions for use on AC end of grid-tied inverter systems
- Up to 4 auxiliary contacts can be added
- Easy replacement of contact elements
- Conventional thermal current 160 A up to 300 A
- Double-break contacts
- Double winding coil and electronic coil controller
- 2 and 4 pole DC versions are also available

Standards

- IEC 60947-1, IEC 60947-4-1

Specifications

Series	C153	C156
Type of voltage	DC, AC	DC, AC
Main contacts: NO, NC	3x	3x
Nominal voltage U_n	450 V	450 V
Rated insulation voltage U_i	630 V	630 V
Conv. thermal current I_{th} Cam switch elements S306 Cam switch elements S307	160 A / 200 A ---	--- 250 A / 300 A
Pollution degree / overvoltage category	PD3 / OV3	
Auxiliary contacts	4 cam switch elements S007 max. or 4 snap-action switches S800 and S826 resp.	
Coil voltage U_s Coil tolerance Coil power	24 / 48 / 72 / 96 / 110 V DC -30 % ... +25 % U_s Pull-in coil: 200 W / hold coil: 18 W	
Vibration / shock (IEC 61373)	Category 1, class B	
Mounting orientation	Vertical (coil terminals pointing upwards) or horizontal (magnetic drive pointing downwards)	
Temperature range	-25° C ... +70° C	
Mechanical endurance	> 2 million operating cycles	