

## PRODUCT INFORMATION

# C152 ... C157

Multipole DC and AC cam contactors  
with reduced power consumption



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.

Mode of operation: The high inrush current generated for a short time causes the contactor to pull in. After a defined period of time (0.6 s up to 1.0 s) there is an automatic switch from pull-in coil to hold coil – and that is to say to low-energy continuous operation.

### Features

- Double winding coil with electronic coil controller
- Rugged, reliable design, many variants
- 2, 3 or 4 main contacts: SPST-NC or SPST-NO for DC and AC
- 4 auxiliary contacts, max.

### Standards

- IEC 60077-1, IEC 60077-2
- IEC 60947-1, IEC 60947-4-1

## Specifications

Series	C152	C153	C154	C155	C156	C157
Type of voltage	DC, AC	DC, AC	DC, AC	DC, AC	DC, AC	DC, AC
Main contacts: NO, NC	2x	3x	4x	2x	3x	4x *
Nominal voltage $U_n$		450 V			750 V	
Rated insulation voltage $U_i$		600 V			1,000 V	
Conv. thermal current $I_{th}$						
Cam switch elements S306		160 A / 200 A			---	
Cam switch elements S307		---			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 $U_s$			24 / 48 / 72 / 96 / 110 V DC			
Coil tolerance			-30 % ... +25 % $U_s$			
Coil power			Pull-in coil: 200 W / hold coil: 18 W			
Vibration / shock (IEC 61373)			Class B, category 1			
Mounting orientation		Vertical (coil terminals pointing upwards) or horizontal (magnetic drive pointing downwards)				
Temperature range			-25 °C ... +70 °C			
Mechanical endurance			> 1 million operating cycles			

\* upon request