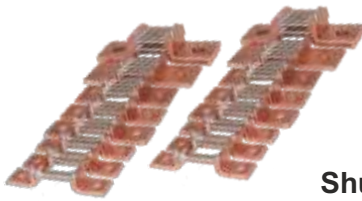


DC Ammeter

DCA Series

NEW



Shunts

Features;

- Current is measured via an externally connected shunt resistance.
- Wide supply voltage range, 85-265 VAC/DC (DCA-10), 10-56 VDC (DCA-11)
- **Communication with the MODBUS RTU protocol over the RS-485 line**
- With 2 Pieces of Programmable Alarm Relays, the range where the current rating in system is required to run can be determined and when the current goes out of this rating, it can be ensured to give warning signal by Alarm1 (C1) and Alarm2 (C2) contact outputs. (DCA-10C/10CS/11C/11CS)
- Saves maximum and minimum values,
- Easy access to the settings with the backlit LCD display
- Measurement period adjustable between 1 to 600 seconds.

PRODUCT SELECTION TABLE

Product Code	Current	Maximum Value	Minimum Value	Class 0.5	Measuring Range $\pm 10\% \text{DC}$	2 Output Contact	Analog Output (mA/V)	RS-485 Communication	Pano Tipi	10-56 VDC	85-265 VAC/DC	Pcs./Box
DCA-10	●	●	●	●	●				●		●	20
DCA-10A	●	●	●	●	●		○		●		●	20
DCA-10C	●	●	●	●	●	●			●		●	20
DCA-10S	●	●	●	●	●			●	●		●	20
DCA-10CS	●	●	●	●	●	●		●	●		●	20
DCA-11	●	●	●	●	●				●	●		20
DCA-11A	●	●	●	●	●		○		●	●		20
DCA-11C	●	●	●	●	●	●			●	●		20
DCA-11S	●	●	●	●	●			●	●	●		20
DCA-11CS	●	●	●	●	●	●		●	●	●		20
SA60-30					30A, 60mV Shunt							1
SA60-40					40A, 60mV Shunt							1
SA60-50					50A, 60mV Shunt							1
SA60-60					60A, 60mV Shunt							1
SA60-100					100A, 60mV Shunt							1
SA60-150					150A, 60mV Shunt							1
SA60-250					250A, 60mV Shunt							1
SA60-500					500A, 60mV Shunt							1
SA60-1000					1000A, 60mV Shunt							1

○ Programmable

DC Ammeter

DCA Series

SPECIFICATIONS

	DCA-10	DCA-10A	DCA-10S	DCA-10C	DCA-10CS	DCA-11	DCA-11A	DCA-11S	DCA-11C	DCA-11CS
ENCLOSURE										
Dimensions	PR 20, 48x96 mm									
Protection Class	IP 40									
Weight	0,240 kg/pcs.									
Display	2.5" LCD									
MEASUREMENTS										
Measurement Input Impedance	1K Ω									
Accuracy	%0.5 \pm 1 Digit [(%10 - %100) x full scale]									
Burden (Input Load)	< 1 VA									
Measurement Period	1-600 s									
Current										
Measurement Range	\pm 10000 A									
Shunt Current	1A - 10000A (10kA)									
Shunt Voltage	50mV - 150mV									
Supply										
Operating Voltage	85 - 265 VAC/DC					10 - 56 VDC				
Power Consumption	< 4 VA									
Operating Frequency	50-60 Hz					-				
STANDARDS										
Applied Security Standards	EN 61010-1									
Applied EMC Standards	EN 61000-4									
Applied Mechanical Endurance Standards	EN 60529									
Device Protection Class	Double Insulated - Class II									
Terminal Protection Class	IP 00									
AMBIENT CONDITIONS										
Operating Temperature	-20 / +70°C									
Overvoltage Category	III									
CONNECTIONS										
Mounting	Panel mounting (PR 20)									
Mounting Class	III									
Connection Terminals	PR 20 Sockets with screws									
Connection Types	Single Phase, 2 Wires									
Cable Cross-section (For Terminals)	2,5 mm ²									
HABERLEŞME										
Communication Interface / Protocol	-	Modbus RTU (RS-485) programmable	-	Modbus RTU (RS-485) programmable	-	Modbus RTU (RS-485) programmable	-	Modbus RTU (RS-485) programmable	-	Modbus RTU (RS-485) programmable
Parity	-	None, Odd, Even	-	None, Odd, Even	-	None, Odd, Even	-	None, Odd, Even	-	None, Odd, Even
Address	-	1-247	-	1-247	-	1-247	-	1-247	-	1-247
Transfer Speed	-	2400-38400 bps	-	2400-38400 bps	-	2400-38400 bps	-	2400-38400 bps	-	2400-38400 bps

Connection Diagram

