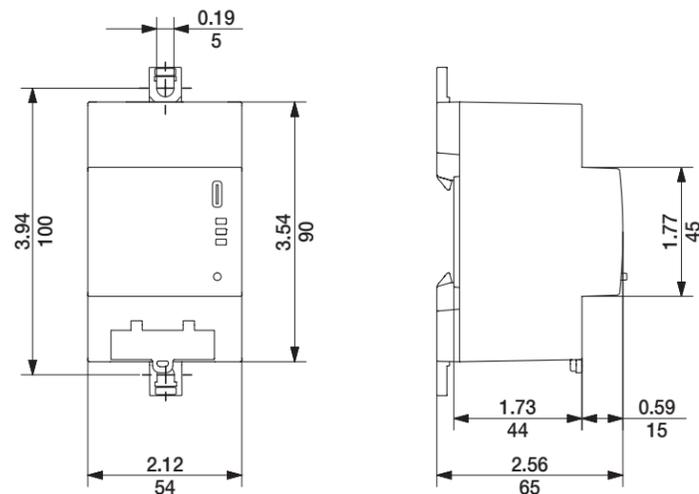


7 Dimensions (in/mm)



8 Technical characteristics

Electrical characteristics	
Voltage range	50 - 600 VAC (L-N) CAT III 90 - 690 VAC (L-L) CAT III
Frequency range	45 ... 65 Hz
Input consumption	≤ 0.5 VA
Connection	Board-mounted screw terminal block, 4 positions, solid cable or stranded cable with ferrule, AWG 17 - AWG 14 / 1 - 2.5 mm ²
Measuring characteristics	
Sampling rate	9.6 kHz
Frequency measurement accuracy	Class 0.02 IEC 61557-12
Mechanical characteristics	
Mounting type	DIN-rail or back plate
Ingress Protection	IP40, front face*
Communication characteristics	
Digiware Bus	
Connection type	Socomec RJ45 cable
Function	Proprietary bus connecting Digiware units
USB	
Connection type	USB Type C
Protocol	Modbus RTU over USB
Function	Firmware upgrade and configuration
Environmental characteristics	
Storage temperature	-13 to +185 °F / -25 to +85°C
Operating temperature	-13 to +158 °F / -25 to +70°C
Humidity	5 to 95% RH non condensing
Pollution degree	2
Operating altitude	≤ 6560 ft / 2000 m
Standards & Regulations	
UL Compliance	- UL61010-1 & UL61010-2-030 - CAN/CSA-C22.2 No. 61010-1 & CSA C22.2 No. 61010-2-030
EU Low Voltage Directive	IEC/EN 61010-1 & IEC/EN 61010-2-030
EMC	FCC Part 15, Class B (Radiated and Conducted Emissions) IEC 61326-1

(*) Not evaluated by UL.

QUICK START GUIDE

EN

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553291_B

Voltage measurement module *DIRIS Digiware U-100*

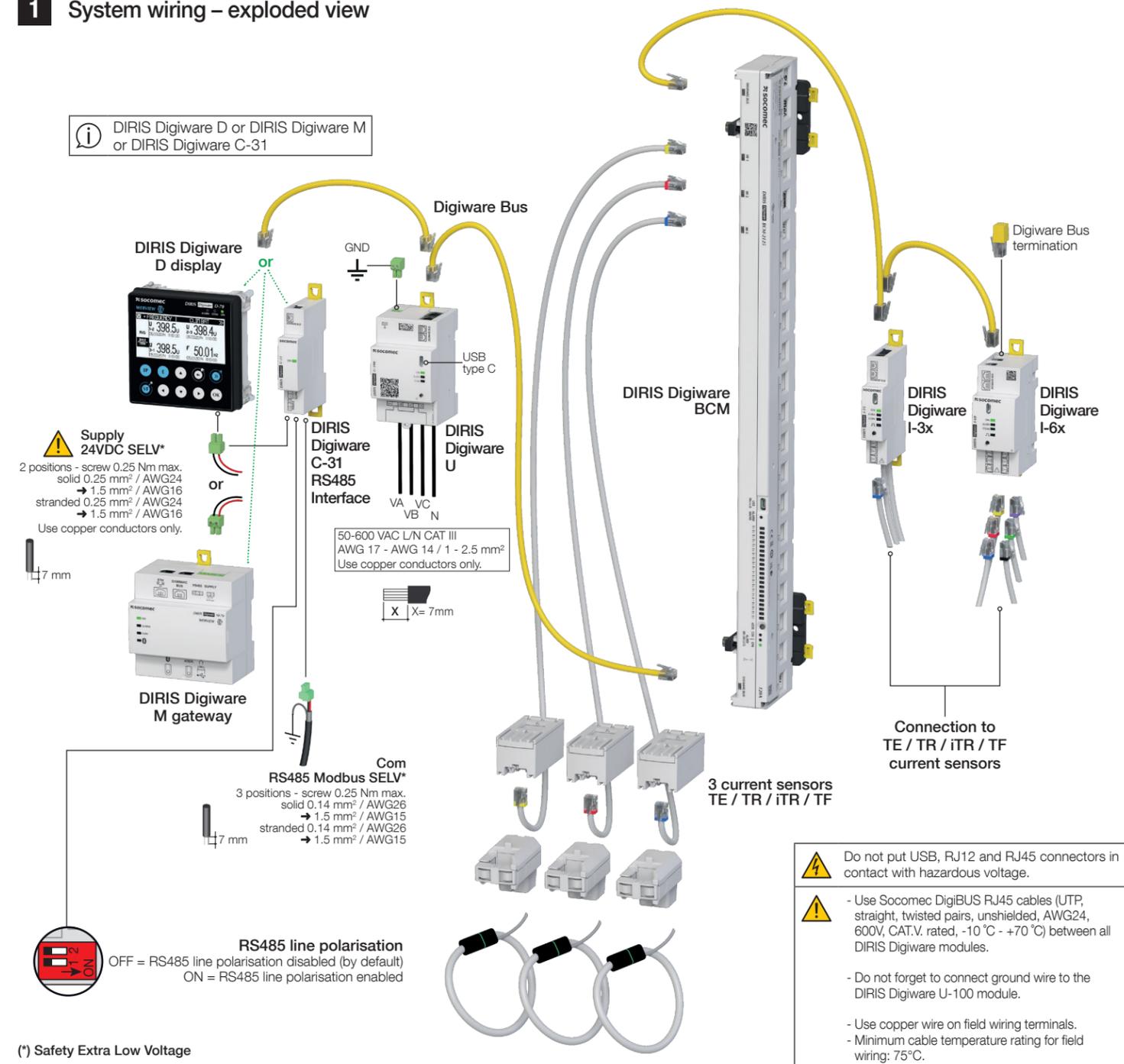


Socomec Resource Center
To download, brochures, catalogues
and technical manuals



DIRIS Digiware U-100
Part No. 4829 0108

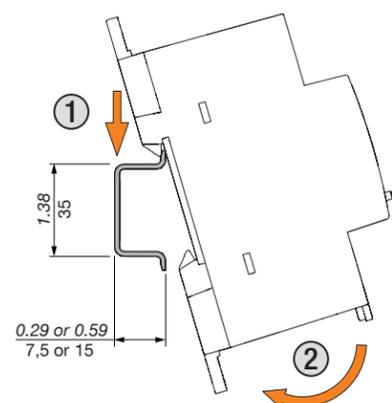
1 System wiring – exploded view



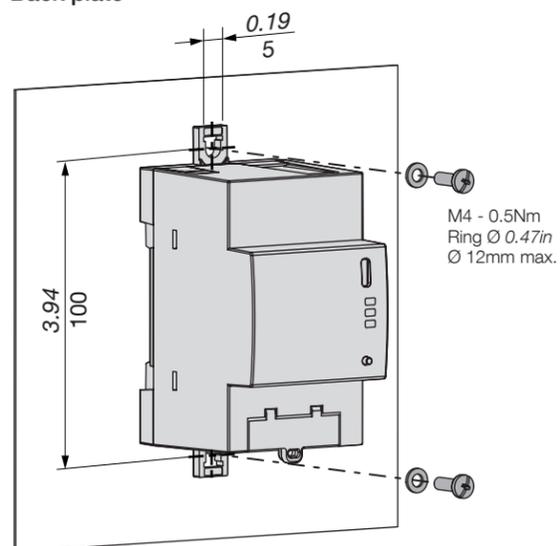
2 Mounting

Dimensions in/mm

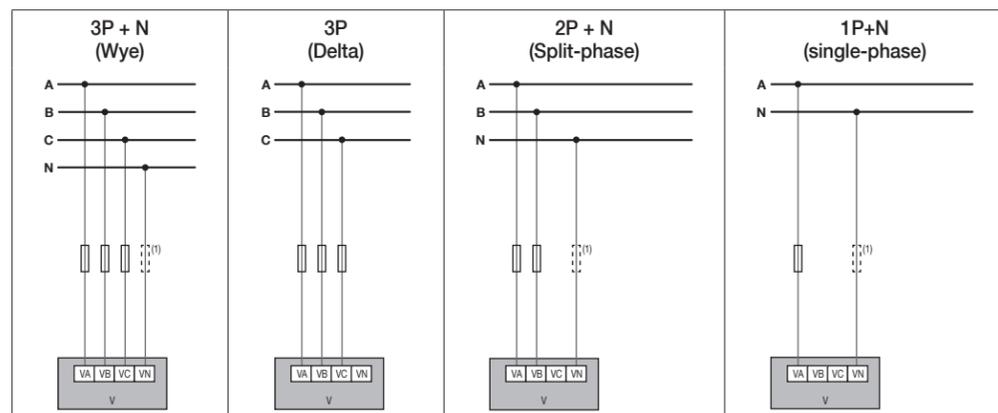
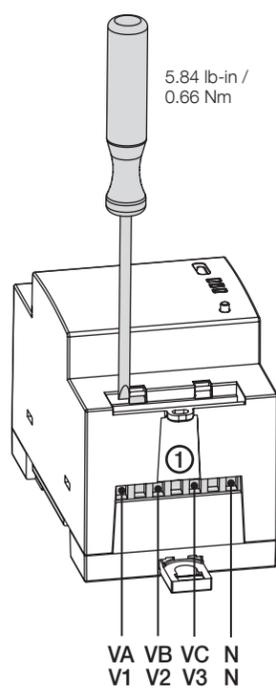
DIN rail



Back plate



3 Voltage connections

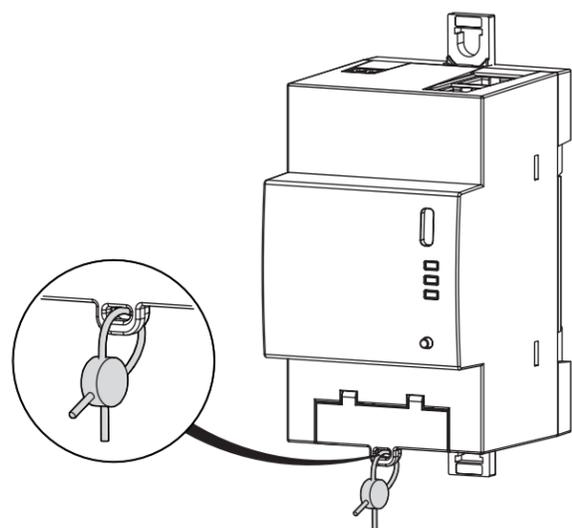


Fuse: 1 A class CC Listed fuses for UL application.
 (1) For ungrounded systems (IT), ensure that the protection complies with the applicable installation standards.

① AWG 17 - AWG 14 / 1 - 2.5 mm²



4 Sealing (Optional)



5 LEDs

	SOLID	FLASHING
ALARM (RED)	Ongoing measurement alarm	Ongoing system alarm (Phase Rotation)
COM (ORANGE)	Address conflict during Auto-Discovery process	Device is communicating
ON (GREEN)	Product powered and operating normally	When D-xx display is navigating on device or upon manual request (10 sec)

6 Configuration

Download Easy Config System to configure your DIRIS Digiware system at:
www.socomec.us/en-us/easy-config-system-software

