EKIP UP PROTECT DIGITAL UNITS

Product Data Sheet

1SDA083360R1

Low-voltage digital protection unit

DOCUMENTED NETWORK VOLTAGE	CURRENT-SENSOR RANGE	NETWORK FREQUENCY	OPERATING TEMPERATURE
Up to 1150 V in the cited 2020 catalog	**100-6300 A; sensor and rating-plug selection apply**	**50-60 Hz**	**-25 to +70 C; +60 C limit for UL conditions**

ABB 1SDA083360R1 identifies Ekip UP Protect, the protection version of the Ekip UP low-voltage digital unit. It combines metering and power-quality functions with protection based on current, voltage, frequency and power. External current sensors, voltage connections and the selected switching arrangement form the complete engineered installation.

01 TECHNICAL DATA

Documented network voltage	Up to 1150 V in the cited 2020 catalog
Current-sensor range	100-6300 A; sensor and rating-plug selection apply
Network frequency	50-60 Hz
Operating temperature	-25 to +70 C; +60 C limit for UL conditions
Enclosure rating	IP40
Mounting arrangements	DIN rail or switchboard door
Local interface	Color touchscreen
Configuration access	Touchscreen or Ekip Connect software
Programmable contacts	Four I/O contacts in the standard arrangement
Optional module positions	Four plug-in option slots plus supply cartridge

02 ADDITIONAL PRODUCT DATA

Current measurement accuracy	0.5% unit; 1% with Type C sensors under stated conditions
Voltage measurement accuracy	0.5% unit; 0.7% with stated sensor conditions
Power measurement accuracy	1% unit; 2% with stated sensor conditions
Harmonic analysis	Up to the 50th harmonic
Event data logging	Two independent memory buffers

03 PRODUCT FUNCTION

The unit provides a color touchscreen, Ekip Connect configuration access and a modular interface for supply, communication and signaling options. DIN-rail and switchboard-door mounting are supported. The current range is 100-6300 A according to sensor and rating-plug selection; optional generator and advanced directional functions belonging to Protect+ are not attributed to the basic Protect version.

04 SYSTEM COMPATIBILITY

Choose DIN-rail or door mounting from the ABB dimensional drawings and connect the programmable contacts and switching/trip circuit to the approved design. The unit monitors external electrical quantities and acts through the engineered switching path; its protection function does not create an interrupting capacity independent of that equipment.

05 REFERENCE

ABB Ekip UP Technical Catalog 1SDC001051D0201, May 2020.

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