

ABB 1SDA083360R1

Ekip UP Protect digital protection unit

Product identity and function

ABB 1SDA083360R1 is the Ekip UP Protect version for monitoring and protecting low-voltage electrical systems.

01 / Function

Ekip UP Protect exact article mapping

02 / Function

Current, voltage, frequency and power protection

03 / Function

Remote monitoring and power-quality analysis

04 / Function

Predictive-maintenance and protection functions

PRODUCT FIELD	OFFICIAL VALUE
Article	1SDA083360R1
Product family	Ekip UP
Version	Protect
Primary role	Digital protection unit for low-voltage systems

Evidence boundary: Actual rating plug, current sensors, supply, communication modules, software functions and trip settings are project-specific and must be verified from the installed configuration.

Official-source basis: <link href="https://library.e.abb.com/public/24dcc794ed6a4603b1161d8db3838f1d/1SDC001051D0201-2020.05_Ct%20Ekip%20UP%20EN.pdf" color="#01637E"><u>ABB Ekip UP Technical Catalog 1SDC001051D0201 and ABB Ekip UP ordering leaflet</u></link>

Official technical parameters

ABB 1SDA083360R1 / verified set 1

PARAMETER	VERIFIED VALUE
Article	1SDA083360R1
Product family	Ekip UP
Version	Protect
Primary role	Digital protection unit for low-voltage systems
Protection quantities	Current, voltage, frequency and power
Rated operational voltage	Up to 1150 V
Current application range	100 to 6300 A
System frequency	50 to 60 Hz
Operating temperature	-25 to +70 C; +60 C for UL applications
Enclosure protection	IP40; IP54 with external cover
Conformity	CE and cULus
Standards	IEC 60255, UL 508 and CSA C22.2 No. 14-13

Official-source basis: <link href="https://library.e.abb.com/public/24dcc794ed6a4603b1161d8db3838f1d/1SDC001051D0201-2020.05_Ct%20Ekip%20UP%20EN.pdf" color="#01637E"><u>ABB Ekip UP Technical Catalog 1SDC001051D0201 and ABB Ekip UP ordering leaflet</u></link>

Official technical parameters

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PARAMETER	VERIFIED VALUE
Device current accuracy	0.50 percent under ABB Type C reference conditions
Device voltage accuracy	0.50 percent under ABB Type C reference conditions
Device power accuracy	1.00 percent under ABB Type C reference conditions
System current accuracy with sensor	1.00 percent under ABB Type C reference conditions
System voltage accuracy with sensor	0.70 percent under ABB Type C reference conditions
System power accuracy with sensor	2.00 percent under ABB Type C reference conditions
Remote monitoring	Supported by the Protect version
Power-quality analysis	Supported by the Protect version
Predictive maintenance	Supported by the Protect version
Intelligent protection functions	Supported by the Protect version
Supply-module reference	Ekip Supply 24 to 48 VDC, 1SDA074173R1, ordered as required
Rating-plug range	100 to 6300 A; exact installed plug must be verified

Official-source basis: https://library.e.abb.com/public/24dcc794ed6a4603b1161d8db3838f1d/1SDC001051D0201-2020.05_Ct%20Ekip%20UP%20EN.pdf color="#01637E"><u>ABB Ekip UP Technical Catalog 1SDC001051D0201 and ABB Ekip UP ordering leaflet</u></link>

Applications and product precautions

ABB 1SDA083360R1

Feeder protection retrofit

Add monitored protection functions to an existing low-voltage feeder architecture.

Switchboard modernization

Introduce digital measurement and protection while preserving an approved switching design.

Electrical supervision

Use documented measurement functions with current, voltage, frequency and power protection.

Controlled trip integration

Interface the configured protection logic with the approved trip chain.

01 / Check

Verify article 1SDA083360R1 and the Protect version.

02 / Check

Isolate every supply source and prove conductors de-energized.

03 / Check

Confirm system voltage, current range, frequency and sensors.

04 / Check

Preserve thresholds, delays, sensor ratios and communication settings.

05 / Check

Use documented Ekip UP accessories only.

06 / Check

Apply the separate UL ambient limit where required.

07 / Check

Use the external cover when IP54 is required.

08 / Check

Test measurement polarity, alarms and the complete trip chain.

Model-specific engineering FAQ

ABB 1SDA083360R1

Which Ekip UP version is 1SDA083360R1?

ABB maps article 1SDA083360R1 to the Ekip UP Protect version.

Which quantities can it protect?

The Protect version includes current, voltage, frequency and power protection functions.

What electrical application range is published?

The Ekip UP family is specified for systems up to 1150 V, 100 to 6300 A and 50 to 60 Hz.

What operating temperature applies?

ABB specifies -25 to +70 C, with a +60 C upper limit for UL applications.

What enclosure protection applies?

The device is IP40; ABB specifies IP54 when the external cover is used.

Which approvals and standards are listed?

The catalogue lists CE and cULus and references IEC 60255, UL 508 and CSA C22.2 No. 14-13.

Are every accessory and communication option included?

No. The ordered sensors, modules, rating plug and software functions must be checked.

How should the ABB accuracy figures be used?

They are catalogue values under ABB Type C reference conditions and do not replace project commissioning.

Answers are limited to the exact identity and the cited manufacturer evidence; project configuration remains installation-specific.

Related products and contact

Verified ApterPower navigation links; not approved substitutes

NO.	RELATED PRODUCT	APTERPOWER LINK
01	ABB SPAJ140C	View product page
02	ABB SPAM150C	View product page
03	ABB SPA-ZC 400	View product page
04	ABB SPA-ZC 402	View product page
05	ABB 1SDA073687R1	View product page
06	ABB 1SDA073674R1	View product page
07	ABB 1SDA073700R1	View product page
08	ABB HDZ-60-30C	View product page
09	Schneider Micrologic 6.0 A	View product page
10	Schneider Micrologic 6.0 E	View product page
11	Eaton EMT6-DB-066401	View product page
12	Siemens 3RN2011-1BA30	View product page
13	ABB SYN 6302 3BHE056302R0203	View product page
14	ABB ZCU-14 3AXD50000005164	View product page
15	ABB 1HSB495663-3	View product page
16	ABB 1SFB527068D7084	View product page
17	Honeywell FC-TELD-0001	View product page
18	ABB DCF506-0520-51	View product page

Recommendation links are navigation aids only and do not establish compatibility.

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