



ECPD with measurement and communication function RCD type F 30 mA In: 6 A, Un: 230 V AC, 75 kA 1+N in 2 MW Please consider wireless approval! list of countries: see certificates

Model	
product brand name	SENTRON
product designation	Electronic Circuit Protection Device
design of the base unit	ECPD 1+N
type of voltage supply	AC
standard	RCBO function conforming to IEC/EN 61009-1 (IEC/EN 62423)
General technical data	
number of poles	2
design of pole	1+N
type of network configuration	TN, TT
touch protection against electrical shock according to EN 50274	yes
mechanical service life (operating cycles) of the main contacts typical	10 000
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
operating voltage at AC rated value	
•	230 V
•	85 ... 253 V
surge voltage resistance rated value	4 000 V
supply voltage between the line conductors at AC maximum permissible	325 V
Current	
tripping fault current rated value	30 mA
operational current	
• at 30 °C rated value	6 A
• at 40 °C rated value	6 A
• at 45 °C rated value	6 A
• at 50 °C rated value	6 A
• at 55 °C rated value	6 A
• at 60 °C rated value	6 A
• at 65 °C rated value	6 A
• at 70 °C rated value	6 A
• at AC rated value	6 A
• at AC-51 rated value	4.5 A

<b>residual current type</b>	F
<b>Protection class</b>	
<b>protection class IP</b>	IP20
<b>Breaking Capacity</b>	
<b>short-circuit current breaking capacity (I<sub>cn</sub>) according to EN 61009-1 rated value</b>	75 kA
<b>break time maximum</b>	0.5 ms
<b>break time typical</b>	0.1 ms
<b>grid spacing</b>	1 mm
<b>energy limitation class</b>	3
power loss [W] maximum	7 W
power loss [V·A] during standby	0.7 W
<b>Main circuit</b>	
operating frequency rated value	50 Hz
<b>inductivity in the entire shunt circuit maximum</b>	500 µH
<b>Control current</b>	
type of voltage of control voltage	DC
<b>Product details</b>	
<b>product description</b>	ECPD
<b>product feature can be locked into OFF position</b>	Yes
<b>product feature halogen-free</b>	Yes
<b>product feature sealable</b>	Yes
<b>product feature silicon-free</b>	Yes
<b>product feature tool-free clamp load side</b>	Yes
<b>number of digital inputs</b>	1
<b>number of digital outputs</b>	1
<b>Connections</b>	
<b>stripped length of the cable for auxiliary and control contacts</b>	7 mm
<b>stripped length infeed side</b>	12 mm
<b>tightening torque with screw-type terminals</b>	
• minimum infeed side	1.2 N·m
• maximum infeed side	2 N·m
<b>stripped length load side</b>	10 mm
<b>connectable conductor cross-section stranded</b>	
• minimum load side	0.2 mm <sup>2</sup>
• maximum load side	4 mm <sup>2</sup>
<b>connectable conductor cross-section for auxiliary and control contacts</b>	
• solid minimum	0.14 mm <sup>2</sup>
• solid maximum	1.5 mm <sup>2</sup>
• finely stranded without core end processing minimum	0.14 mm <sup>2</sup>
• finely stranded without core end processing maximum	1.5 mm <sup>2</sup>
• finely stranded with core end processing minimum	0.25 mm <sup>2</sup>
• finely stranded with core end processing maximum	0.75 mm <sup>2</sup>
<b>position of power supply cord</b>	bottom
<b>Mechanical Design</b>	
<b>height</b>	90 mm
<b>width</b>	36 mm
<b>depth</b>	70 mm
<b>number of modular width units</b>	2
<b>fastening method</b>	DIN rail
fastening method rail mounting	Yes
<b>mounting position</b>	any
<b>Net Weight</b>	178 g
<b>Environmental conditions</b>	
<b>ambient temperature during operation</b>	
• minimum	-40 °C
• maximum	70 °C

<b>ambient temperature during storage</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p style="text-align: center;">-40 °C</p> <p style="text-align: center;">75 °C</p>

**Approvals Certificates**

Environment	General Product Approval	Radio Equipment Type Approval Certificate
	 <a href="#">Confirmation</a>	  <a href="#">Miscellaneous</a>

**Test Certificates**

other	Dangerous goods
<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Confirmation</a> <a href="#">Transport Information</a>

**Further information**

- Information on the packaging**  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage**  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- Information- and Downloadcenter (Catalogs, Brochures,...)**  
<https://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TY1350-3MF06>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/5TY1350-3MF06>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5TY1350-3MF06](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TY1350-3MF06)
- CAx-Online-Generator**  
<https://www.siemens.com/cax>
- Tender specifications**  
<https://www.siemens.com/specifications>
- Characteristic curves**  
[https://curves.simaris.siemens.com/curves/?mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/?mmp_prod_noCOMP=)





