



ELECTRONICS PRODUCTS > PROTECTION CONTROL & TIME RELAYS > DIGITAL
PROTECTION RELAY

DPR 3231N

Stock Keeping Unit (SKU): 270635

Multifunction Digital Protection Relay

Commercial Information

Product Sales Code	270635
Package Unit	1 pcs.
Customs Tariff Number	853649000029
Weight Per Unit Including Packaging	0.1313 kg.

Technical Information

DIMENSIONS	
Width	2 DIN
PRODUCT SPECIFICATIONS	
Connection Type	Screw
Phase Loss Interval	85-520 V
Operating Mode 1	+
Operating Mode 2	-
OUTPUT TYPE	Relay
RTC (RealTime Clock)	+
CONNECTION DATA	
Connection Type	3P4W

MONITORING FUNCTIONS

Phase Failure Delay Time	0 - 999 ms
Phase Sequence Delay Time	0 - 999 ms
Asymmetry Protection Range Limit	0-30%
Asymmetry Protection Delay Time	0-999 sn
Voltage Protection Upper Limit	300 V
Voltage Protection Lower Limit	85 V
Frequency Protection Upper Limit	65 Hz
Frequency Protection Lower Limit	45 Hz
PTC Protection High-Value Threshold	1250 Ohm
PTC Protection Delay Time	0-999 sn

PTC Short-Circuit Protection

Threshold value	50 Ohm
Delay Time	0-999 sn

RELAY OUTPUT

Number of Outputs	1
Type	1 C/O (SPDT)
Max. Switching Current	10A / 250VAC
Max. Switching Power	1250VA
Electrical Life	= 10⁷
Mechanical Life	5x10⁴

POWER SUPPLY

Frequency	45-65 Hz
External Power Supply	-
Voltage	150...500 V AC
Power Consumption	<4VA

COMMUNICATION

Auxiliary Protocols	Modbus RTU
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MEASUREMENT INPUTS

Voltage	10..500 V AC
Frequency	45-65 Hz

PTC LOGIN

Extreme Temperature Threshold Value	1250 Ohm
Short-circuit threshold value	50 Ohm

ENVIRONMENTAL CONDITIONS

Operating Temperature	-20°C..+70 °C
Storage Temperature	-30°C..+80 °C
Relative Humidity (Non-condensing)	90% non-condensing

GENERAL

Protection Class	IP40 (Front Panel), IP20 (Terminals)
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Certificates

