



28 VDC (3 kW) Tank Active Protection System Power Distribution Unit



GKDB-KO30-028-17



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28 VDC (3 kW) Tank Active Protection System

Power Distribution Unit

Input Voltage Range	Numbers of Output Switched	Total Output Power
18-36 VDC	17	3 kW

GKDB-KO30-028-17 power distribution unit, developed for armored vehicles, distributes the 28V DC voltage received from the vehicle to its outputs in a controlled way.

It has 17 28V DC outputs with a total power of 3kW.

Functions such as turning the outputs on and off can be managed remotely via the Ethernet interface.

It can provide remote information about the operating status such as the positions of the circuit breakers, input voltage, output voltage and current drawn from the outputs.

When not remotely managed, it can operate optionally programmable startup and protection scenarios.

Input Features

● Input Voltage	28VDC
● Input Voltage Range	18-36 VDC
● No-Load Power Consumption	< 0,5A

Output Features

● Number of Isolated DC Outputs Switched	8
● Number of DC Outputs Switched	9
● Output Current	110 A

Mechanical Properties

● Width	400±1 mm
● Height	190±1 mm
● Depth	195±1 mm
● Weight	15±1 kg

Elektromagnetic Compatibility

● MIL-STD-461F	MIL-STD-461F CE102 CS101, CS114, CS115, CS116 RE102 RS103
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Environmental Characteristics

● Operating Temperature	MIL-STD-810F -32°C ~ +52°C
● Storage Temperature	MIL-STD-810H -40°C ~ +60°C
● Vibration	MIL-STD-810F, Method 514.5, Procedure I Category: 20,514.6C-3
● Mechanical Shock	MIL-STD-810F, Method 516.5, Procedure-I, 40g 11ms, Sawtooth Shock
● Humidity	MIL-STD-810F, Method 507.4-1 (24 hours, 1 cycle) %95 relative atmospheric humidity (non-condensing) Testing Time = 10 cycles
● Sealing	140 ± 2 millibars compressed air

Protections

● DC input high voltage protection	DC output is turned off.
● DC input low voltage protection	DC output is turned off.
● Output Current Protection	It has adjustable overcurrent protection for each output.