

ePower power management module

□ ePower is specially designed for harsh environment, can work under the temperature of $-40\text{ }^{\circ}\text{C}\sim+85\text{ }^{\circ}\text{C}$, with protection rating up to IP65. ePower is reliable for application and installation under harsh environment. ePower's IO which has function of open circuit and short circuit diagnosis can be flexibly configured according to customers' requirements. ePower can be used either as power module or IO module. Compared with relay control, ePower is a highly integrated power management module. Also it has a far more lifespan than traditional relay. Each port has protection function themselves, such as open circuit and short circuit protection. Total current output can reach up to 90 A at the same time.

Application

Crane, excavator, bus, truck, rotary drilling rig, concrete pump, refuse machinery, agriculture machinery, Mining, forestry machinery etc.

Power

Power protection 17 removable fuses
Power supply $9\sim32\text{ V}_{\text{DC}}$ (surge protection and reverse polarity protection)

Input / Output

Total 14 inputs, 13 high level digital inputs ; 1 low level digital input
Total 17 high level digital outputs(with the function of open circuit and short circuit diagnosis) ; 4 low level digital outputs(open circuit diagnosis)

Communication

1x CANbus

Test and certification

Working temperature $-40\text{ }^{\circ}\text{C}\sim+85\text{ }^{\circ}\text{C}$.
Protection rating IP65 (IP67 is optional)
Random vibration IEC60068-2-64
Impact ISO16750-3:2007 30g/6ms/24000 cycles
Humidity thermal cycle EN60068-2-30:2006
Salt spray EN60068-2-52:1996
Surge shock ISO7637-2:2004, EN61000-4-5 $\pm 2\text{ KV}$
ESD ISO10605:2008
EFT EN61000-4-4 $\pm 4\text{ KV}$
CE EN55022:2010, EN55024:2010

Contact

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Features

No features listed.