

KDG1140(A) Intrinsically Mining Safe Power Supply Feedback and Remote Interrupt Regulator



Application:

KDG1140(A) Intrinsically Mining Safe Power Supply Feedback and Remote Interrupt Regulator is an IoT component for monitoring the power status of underground mine equipment and execute power interrupt control.

Features:

- NC/NO configuration supported
- AC/DC output control signal supported
- Both contact and non-contact power feedback configuration supported
- Equipment power supply feedback monitoring and power interrupt status indication with display and RS485 signal output

Technical parameters:

- Power rating: 9~25 V DC \leq 80mA @18V DC
- Singal output: RS485
- Transmission distance (regulator to equipment): \geq 4 km
- Control signal distance (control to regulator): \geq 100m
- Power feedback function:
 - Contact feedback power supply range: (127~660) V AC (\pm 10%)
 - Non-contact feedback resistance: Open \geq 90k Ω , Close \leq 250 Ω
- Power interrupt function: Switchable power interrupt mode
- Explosion-proof type: Mining intrinsically safe (Ex-mark: Exia I Ma)

