MD6PU Three-phase undervoltage monitoring relays specification

① PW：green LED, power supply indication
② AL：yellow LED, alarm indication
③ R：yellow LED, relays status indication
④ Line voltage benchmark：200V, 208V … 480V
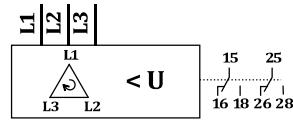⑤ Undervoltage value setting
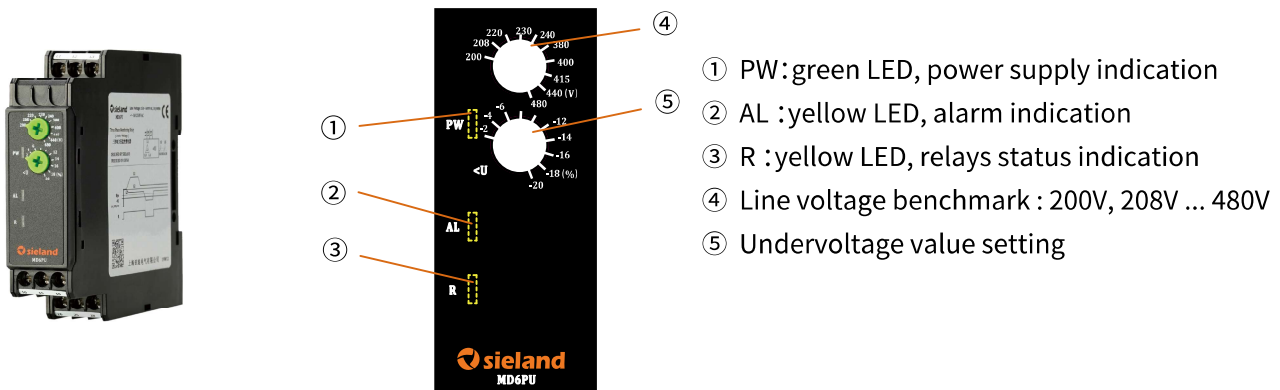
Products features:

■ Monitoring self-power supply
■ Phase sequence / absence、 undervoltage
■ Line voltage benchmark：200V, 208V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 480V

Technical data:

Rated voltage:	150 - 600VAC, 50/60 Hz (line voltage)
Undervoltage:	-2% … -20% (line voltage benchmark)
Relay output:	2 c/o
Repeatability:	±0.5%
Temperature drift:	±0.05%/°C
Voltage drift:	±1%/V
Relay capacity:	8A/250VAC
Electrical durability:	10^5 cycles
Mechanical durability:	10^7 cycles
IP degree:	IP50/IP20
Operation temperature:	−40°C…60°C
Storage temperature:	−40°C…85°C
Width:	22.5 mm
Height:	92 mm
Length:	100 mm
Mounting:	35mm DIN rail
Standards:	IEC60255-1、GB14048.5

Line voltage: 150-600V, 50/60 Hz
⌁ :8A 250V AC

L1 L2 L3

L1
⟳
L3 L2
< U

15   25
16 18 26 28

Phase sequence / absence function:

L1
L2
L3
R

L3
L2
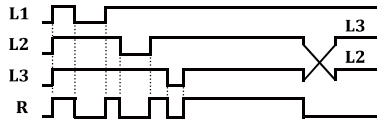
Undervoltage function:

L1
L2
L3
Hys
<U
L1/L2/L3
R
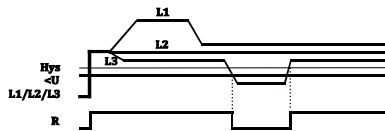
Example:

■ Equipment of undervoltage protect for line voltage benchmark 380V product

Setting：

<U： 10%

Accordingly：

<U setting value： 380 – 380*10% = 342V

Conclusion：

When voltage is over 342V， voltage is normal， relay c/o switch on，
    led R turn on ， led AL turn off

When voltage is under 342V， undervoltage fault occur， relay c/o switch off，
    led R turn off ， led AL slow flash

When phase sequence/phase loss fault occur， relay c/o switch off immediately， led R turn off ， led AL turn on

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