

VOLTHAUS

made for you

Relay



LOW-VOLTAGE ELECTRICAL PRODUCTS

2024

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IEC 60255-27

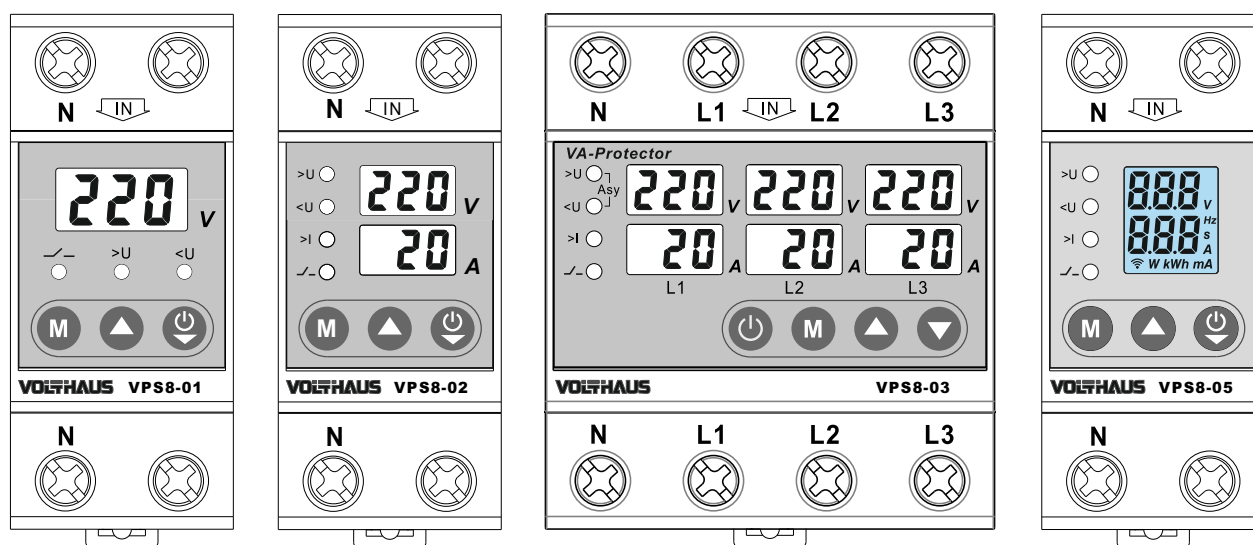


Voltage monitoring relay VPS8 series is designed to protect household equipment from high or low mains voltage, as well as overcurrent (if applicable), with an automatic recovery function after operation. They are used in the construction of input and distribution electrical panels in apartments, country houses, office and industrial facilities. They are used in AC electrical circuits with a frequency of 50/60 Hz, rated voltage 220 V.

Technical parameter

Name of the parameter	Characteristics			
	VPS8-01	VPS8-02	VPS8-03	VPS8-05
Function	Over voltage, under voltage	Over voltage, under voltage and over current	Over voltage, under voltage and over current	Over voltage, under voltage and over current
Rated supply voltage	AC 220V (L-N)	AC 220V (L-N)	AC 220V (L1,L2,L3-N)	AC 220V (L-N)
Rated supply frequency	45~65 Hz	45~65 Hz	45~65 Hz	45~65 Hz
Operation voltage range	80V~400V (L-N)	80V~400V (L-N)	80V~400V (L1,L2,L3-N)	80V~400V (L-N)
Rated operational current	32A,40A,50A, 63A,80A (AC1)	32A,40A,50A, 63A,80A (AC1)	63A (AC1)	32A,40A,50A, 63A,80A (AC1)
Burden	AC max.3VA	AC max.3VA	AC max.3VA	AC max.3VA
Over voltage operation value	OFF, 230V~300V	OFF, 230V~300V	OFF, 230V~300V	OFF, 230V~300V
Under voltage operation value	140V~210V, OFF	140V~210V, OFF	140V~210V, OFF	140V~210V, OFF
Over/under voltage action delay	0,1s~10s	0,1s~10s	0,1s~10s	0,1s~10s
Over current operation value	-	OFF, 1~32A,40A,50A, 63A,80A	OFF, 1A~63A	OFF, 1~32A,40A,50A, 63A,80A
Over current action delay	-	2s~600s	2s~600s	2s~600s
Voltage unbalance value	-	-	OFF, 20V~99V	-
Voltage unbalance action time	-	-	10s	-
Power-up delay	2s~600s	2s~600s	2s~600s	2s~600s
Reset time	2s~900s	2s~900s	2s~900s	2s~900s

Name of the parameter	Characteristics			
	VPS8-01	VPS8-02	VPS8-03	VPS8-05
Measurement error	≤ 1%	≤ 1%	≤ 1%	≤ 1%
Electrical life(AC1) / Mechanical life	10 000	10 000	10 000	10 000
Operating temperature	-20°C ... +60°C	-20°C ... +60°C	-20°C ... +60°C	-20°C ... +60°C
Storage temperature	-35°C ... +75°C	-35°C ... +75°C	-35°C ... +75°C	-35°C ... +75°C
Mounting/DIN rail	Din rail IEC 60715	Din rail IEC 60715	Din rail IEC 60715	Din rail IEC 60715
Protection degree	IP40 for front panel / IP20 terminals	IP40 for front panel / IP20 terminals	IP40 for front panel / IP20 terminals	IP40 for front panel / IP20 terminals
Working position	Incoming line (marking): «U» - upper incoming line, «D» - lower incoming line	Incoming line (marking): «U» - upper incoming line, «D» - lower incoming line	Incoming line (marking): «U» - upper incoming line, «D» - lower incoming line	Incoming line (marking): «U» - upper incoming line, «D» - lower incoming line
Overvoltage category	III	III	III	III
Pollution degree	2	2	2	2
Dimensions	82×36×68mm	82×36×68mm	82×72×68mm	82×36×68mm
Fixing of conductors, no more	3 N*m	3 N*m	3 N*m	3 N*m



Product model (article number)

VPS8 - 05U - 63A

Series Relay

Version

Incoming line (marking): «U» - upper incoming line, «D» - lower incoming line

Rated operational current: 32A, 40A, 50A, 63A, 80A

VOLTHAUS

Relay

Voltage monitoring relays				
Article number	Poles	Rated operational current [A]	Incoming line mode	Function
VPS8-01				
VPS8-01U-32A	2	32	"U" - upper incoming line	Over voltage, under voltage
VPS8-01U-40A	2	40	"U" - upper incoming line	Over voltage, under voltage
VPS8-01U-50A	2	50	"U" - upper incoming line	Over voltage, under voltage
VPS8-01U-63A	2	63	"U" - upper incoming line	Over voltage, under voltage
VPS8-01U-80A	2	80	"U" - upper incoming line	Over voltage, under voltage
VPS8-02				
VPS8-02U-32A	2	32	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-02U-40A	2	40	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-02U-50A	2	50	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-02U-63A	2	63	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-02U-80A	2	80	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-03				
VPS8-03U-63A	4	63	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-05				
VPS8-05U-32A	2	32	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-05U-40A	2	40	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-05U-50A	2	50	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-05U-63A	2	63	"U" - upper incoming line	Over voltage, under voltage and over current
VPS8-05U-80A	2	80	"U" - upper incoming line	Over voltage, under voltage and over current

Voltage monitoring relays				
Article number	Poles	Rated operational current [A]	Incoming line mode	Function
VPS8-01				
VPS8-01D-32A	2	32	"D" - lower incoming line	Over voltage, under voltage
VPS8-01D-40A	2	40	"D" - lower incoming line	Over voltage, under voltage
VPS8-01D-50A	2	50	"D" - lower incoming line	Over voltage, under voltage
VPS8-01D-63A	2	63	"D" - lower incoming line	Over voltage, under voltage
VPS8-01D-80A	2	80	"D" - lower incoming line	Over voltage, under voltage
VPS8-02				
VPS8-02D-32A	2	32	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-02D-40A	2	40	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-02D-50A	2	50	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-02D-63A	2	63	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-02D-80A	2	80	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-03				
VPS8-03D-63A	4	63	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-05				
VPS8-05D-32A	2	32	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-05D-40A	2	40	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-05D-50A	2	50	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-05D-63A	2	63	"D" - lower incoming line	Over voltage, under voltage and over current
VPS8-05D-80A	2	80	"D" - lower incoming line	Over voltage, under voltage and over current

Why you should choose our products



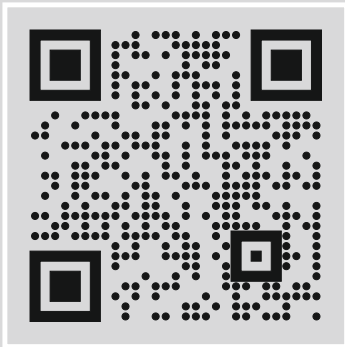
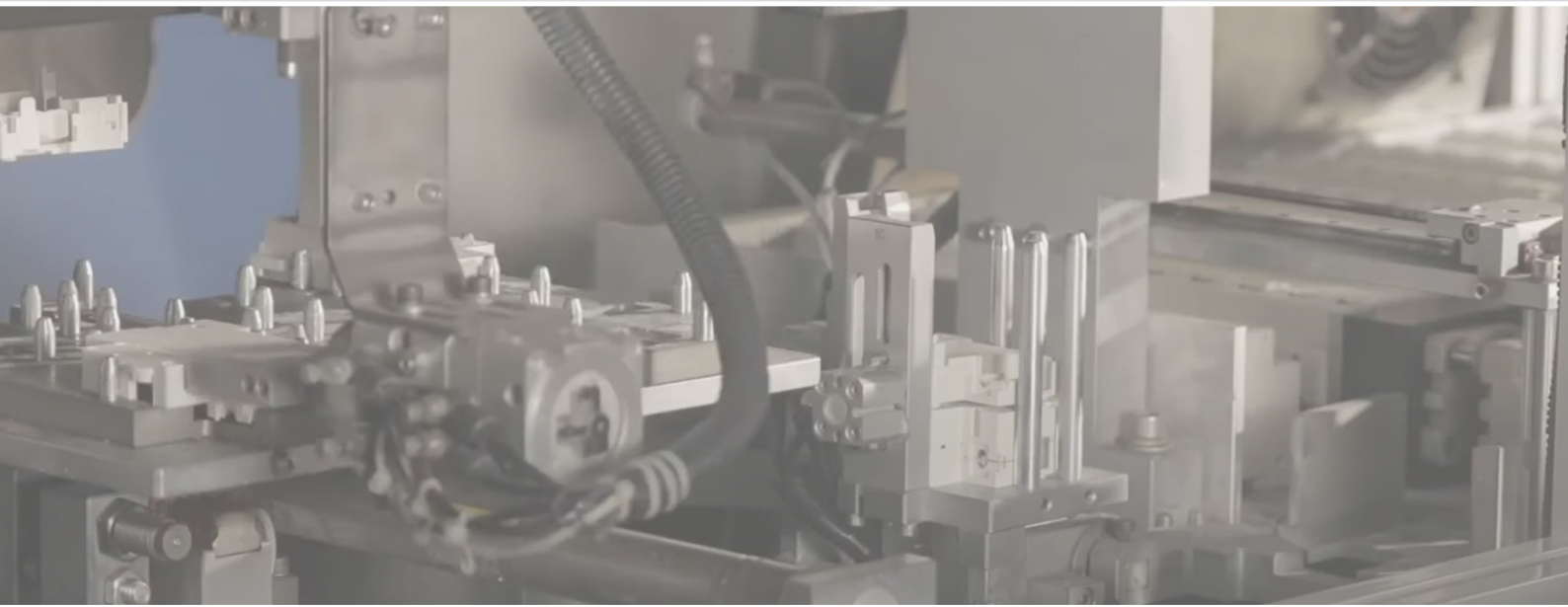
Our products are high-quality and reliable circuit breakers (MCB), residual current circuit breaker, without overcurrent protection (RCCB), residual current circuit breaker with overload protection (RCBO) and voltage monitoring relays that will help you create a safe and comfortable home or workspace. We offer affordable prices for our products, as we understand how important it is to make repairs and construction affordable for everyone. At the same time, we do not skimp on quality, our products meet all necessary safety standards and undergo strict quality control. By choosing our products, you can be sure of their reliability and durability. Create your future with us!

Our concern for the environment



We take care of the environment and use eco-friendly materials for packaging our products. The corrugated cardboard we use can be recycled and reused, which reduces our environmental impact. We hope that after purchasing our products, you will dispose of the packaging correctly in order to protect the environment and preserve natural resources for future generations.

We strive to establish long-term partnerships based on trust and mutual benefit.



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If you have any questions or
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We are always happy to help you.

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Relay