



# Measuring relays





<b>Model</b>	<b>Beep</b>	
<b>Codes</b>	<b>RM2P133</b>	
Ordering codes see page:	05	
Controlled quantity	<b>single-phase active power (kW)</b>	
Rated voltage	230V	
Operating frequency	47...63Hz	
Max. current	28A	
Auxiliary supply	230Va.c.	
Instantaneous display	Active power (kW) - Voltage (V) - Current (A)	
Type of alarm	max. power (overload)	
Alarm visual signalling	display message	
Alarm sound signalling	inner buzzer	
Adjustable alarm threshold	0...6,5kW	
Output relay function	<b>F1: non-priority load tripping</b>	<b>F2: external signaling</b>
Relay intervention delay	0...999s	0...999s
Reset	0...999s	instantaneous
Internal sound signalling	0...999s	0...999s
Output relay contact	normally closed	normally opened
Output relay	SPST contact in voltage 250Va.c. 16A	
Dimensions	2 module	
Technical note	NT752	
<b>Price</b>		



# Alternating current and voltage relay



Model	RM2I	RM2U	RM2S
Codes	RM2I...	RM2U...	RM2S41
Ordering codes see page:	05	05	05
Controlled quantity	single-phase alternating current	single-phase alternating voltage	three-phase alternating voltage
Rated input	1 - 5A 50 - 60Hz	100 - 250 - 400V 50 - 60Hz	380...415V 50 - 60Hz
Alarm type	1 min. or 1 max.	1 min. or 1 max.	sequence, failure, asymmetry phases
Alarm threshold	10...120%In	10...120%Un	5...25% (asymmetry)
Intervention adjusting range	0,1...10s	0,1...10s	0,2...10s
Inhibition when turning	0 - 3 - 6 - 9s	0 - 3 - 6 - 9s	-
Histeresis	5...50% of threshold value	5...50% of threshold value	-
Reset	automatic or manual	automatic or manual	automatic
Relay output	1 SPDT contact	1 SPDT contact	1 SPDT contact
A.C. auxiliary supply	48 - 115 - 230 - 240V	48 - 115 - 230 - 240V	self-supplied
D.C. auxiliary supply	20...150 - 150...250V	20...150 - 150...250V	-
Dimensions	2 module	2 module	2 module
Technical note	NT548	NT549	NT639
Price			
Extra price d.c. auxiliary supply and 48Va.c.	•	•	



Model	RM3I	RM3U
Codes	RM3I...	RM3U...
Ordering codes see page:	05	05
Controlled quantity	three-phase alternating current	three-phase alternating voltage
Rated input	5A 50 + 60Hz	100 - 400V 50 + 60Hz
Alarm type	1 max. + 1 max. or min. phase failure	1 min. + 1 max. sequence and phase failure
Alarm threshold	15...100%In	-20%Un...Un...+20%Un
Intervention adjusting range	1...30s or instantaneous	0,5...31,5s
Inhibition when turning	1...60s	-
Reset	automatic or manual	automatic
Relay output	2 relays with SPDT contact	1 relay with 2 SPDT contact
A.C. auxiliary supply	230V	self-supplied
D.C. auxiliary supply	24V	-
Dimensions	DIN rail 100x75x110mm	DIN rail 70x75x110mm
Technical note	NT631	NT632
Price		
Extra price d.c. auxiliary supply	•	



# Direct current and voltage relay



<b>Model</b>	<b>RM3C</b>
<b>Codes</b>	<b>RM3C...</b>
Ordering codes see page:	05
Controlled quantity	<b>direct current/voltage</b>
Selectable rated input	$\pm 0,5... \pm 2\text{mA}$ - $\pm 5... \pm 20\text{mA}$ - $4... 20\text{mA}$ $\pm 50... \pm 200\text{mV}$ - $\pm 5... \pm 20\text{V}$ - $\pm 50... \pm 200\text{V}$
Display	any quantity directly proportional to input 2000-point red LED display, max. indication - 1999....1999
Alarm type	2 min. and/or max.
Alarm threshold adjusting range	-1999...1999 digit
Intervention adjusting range	0...60s
Histeresis adjusting range	-1999...1999 digit
Reset	automatic
Relay output	2 relays with SPDT contact
Relay status	positive/negative security
A.C. auxiliary supply	24 - 48 - 100 - 115 - 230 - 240V
D.C. auxiliary supply	20...150 - 150...250V
Dimensions	DIN rail 100x75x110mm
Technical note	NT633
<b>Price</b>	
Extra price 24Va.c. auxiliary supply	•
Extra price d.c. auxiliary supply and 48Va.c.	•

**RM2P133****Single load management relays**

2 module

Ordering code	Auxiliary supply	Input	Stock
RM2 P 1 3 3	230Va.c.	230V 28A	•

**RM2I****Single-phase alternating current relay, 1 alarm**

2 module

Ordering code	Auxiliary supply	Input	Stock
RM2 I M 1 1 2	115Va.c.	1A	
RM2 I M 1 1 3	230Va.c.	1A	
RM2 I M 1 1 4	240Va.c.	1A	
RM2 I M 1 1 H	20...150Vd.c. + 48Va.c.	1A	
RM2 I M 1 1 L	150...250Vd.c.	1A	
RM2 I M 1 5 2	115Va.c.	5A	•
RM2 I M 1 5 3	230Va.c.	5A	•
RM2 I M 1 5 4	240Va.c.	5A	
RM2 I M 1 5 H	20...150Vd.c. + 48Va.c.	5A	
RM2 I M 1 5 L	150...250Vd.c.	5A	

**RM2S****Failure/sequence/asymmetry alternating voltage relay**

2 module

Ordering code	Auxiliary supply	Input	Stock
RM2 S 4 1	Self-supplied	380...415V 50-60Hz	•

**RM2U****Single-phase alternating voltage relay, 1 alarm**

2 module

Ordering code	Auxiliary supply	Input	Stock
RM2 U M 1 A 2	115Va.c.	100V	
RM2 U M 1 A 3	230Va.c.	100V	•
RM2 U M 1 A 4	240Va.c.	100V	
RM2 U M 1 A H	20...150Vd.c. + 48Va.c.	100V	•
RM2 U M 1 A L	150...250Vd.c.	100V	
RM2 U M 1 F 2	115Va.c.	250V	
RM2 U M 1 F 3	230Va.c.	250V	•
RM2 U M 1 F 4	240Va.c.	250V	
RM2 U M 1 F H	20...150Vd.c. + 48Va.c.	250V	
RM2 U M 1 F L	150...250Vd.c.	250V	
RM2 U M 1 K 2	115Va.c.	400V	
RM2 U M 1 K 3	230Va.c.	400V	
RM2 U M 1 K 4	240Va.c.	400V	
RM2 U M 1 K H	20...150Vd.c. + 48Va.c.	400V	
RM2 U M 1 K L	150...250Vd.c.	400V	

**RM3C****Direct voltage/current relay, 2 alarms**

Ordering code	Auxiliary supply	Input	Stock
RM3 C 2 1 1	24Va.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	
RM3 C 2 1 3	115Va.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	•
RM3 C 2 1 6	230Va.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	•
RM3 C 2 1 7	240Va.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	
RM3 C 2 1 H	20...150Vd.c. + 48Va.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	•
RM3 C 2 1 L	150...250Vd.c.	2mA / 20mA / 4...20mA / 200mV / 20V / 200V	

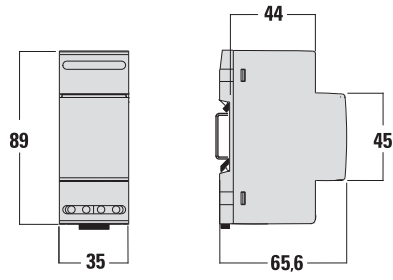
**RM3I****Three-phase alternating current relay, 2 alarms**

Ordering code	Auxiliary supply	Input	Stock
RM3 I T 2 5 3	230Va.c.	5A	•
RM3 I T 2 5 F	24Vd.c.	5A	•

**RM3U****Three-phase alternating voltage relay, 2 alarms**

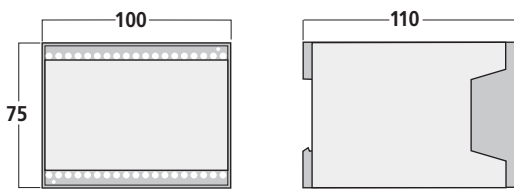
Ordering code	Auxiliary supply	Input	Stock
RM3 U T 3 A A	Self-supplied	100V	•
RM3 U T 3 K A	Self-supplied	400V	•

**RM2P... / RM2I... / RM2U... / RM2S...**



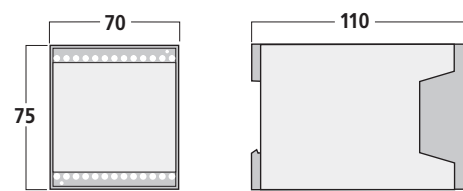
2 Module

**RM3I... / RM3C...**



DIN Rail

**RM3U...**



DIN Rail