Clegrand

Rex Analogue Time Switches Daily/weekly time switches

4 128 59 4 128 23 4 128 13 4 127 80

In accordance with VDE 0631 Part 1 and Part 2-7, IEC 60730-1 and 60730-2-7, EN 60730-1 and 60730-2-7, manual switching ON/automatic/OFF, hourly/daily/weekly switching dial with captive segments, clock precision: +/– 5 min for the daily time switch, +/– 30 min for the weekly time switch, sealable cover, IP20 degree of protection, –10°C to +55°C operating temperature, with the advantages of the Lexic system

Packing units	Cat. no.	MicroRex – plug & play – 3 modules	Packing units	Cat. no.	MicroRe	x – 1 moc	lule		
		Automatic setting of the time during startup			 With synchronous (mains-synchronised clock precision) or guartz motor 				
		 Automatic switching for summer/winter time (daylight saving time) 						quartz moto	or)
		With quartz clockwork					eserve (qua		51)
		 +/- 0.2 s/day clock precision 			 Unit widt 	th: 1 modul	e of 17.5 n	nm	
		 6-year running reserve (time buffering in case of power failure) 	1	4 127 80	MicroRex		•		
		Surface-mounting possible with wall bracket and					230 V, 50		
		terminal cover (cat. no.: 4 128 59)				y open cont witching ind		0 Hz, 16 A~	$\cos \varphi =$
		Unit width: 3 modules of 17.5 mm each					step: 15 mi	n	
1	4 128 23	MicroRex T31 Su/Wi – Daily time switch		MicroRex QT11 – Daily time switch					
		- Quartz motor, 230 V, 50/60 Hz - 1 changeover contact, 250 V/50 Hz, 16 A \sim cos φ = 1			- Quartz motor, 230 V, 50/60 Hz				
		- 15 min switching increments			- 1 normally	y open cont	act 250 V/5	0 Hz, 16 A~	$\cos \phi =$
1	4 128 28	MicroRex W31 Su/Wi – Weekly time switch			- 15 min switching increments - Shortest switching step: 15 min				
	1 120 20	Quartz motor, 230 V, 50/60 Hz 1 4 127 83 MicroRex W11 – Weekly time switch							
		- 1 changeover contact, 250 V/50 Hz, 16 A~ $\cos \varphi = 1$	1	4 127 05	- Synchronous motor, 230 V, 50 Hz				
		 2 h switching increments Shortest switching step: 4 h 						0 Hz, 16 A~	$\cos \phi =$
		- Shortest switching step. 4 II			- 2 h switc	hing increr	nents		
						switching s			
		MicroRex – 3 modules	1	4 127 94	MicroRex		•	e switch	
		With synchronous (mains-synchronised clock			 - Quartz motor, 230 V, 50/60 Hz - 1 normally open contact 250 V/50 Hz, 16 A~ cos ¢ 				COC (0 =
		 precision) or quartz motor +/- 2.5 s/day clock precision (quartz motor) 				hing increr		0112, 10 A*	cus φ –
		 100 hour running reserve (quartz motor) 				switching s			
		 Surface-mounting possible with a wall bracket and 							
		a terminal cover (cat. no.: 4 128 59) • Unit width: 3 modules of 17.5 mm each			Accesso	ries			
1	4 128 12	MicroPay T21 Daily time switch							
	4 120 12	- Synchronous motor, 230 V, 50 Hz	1	4 128 59	- For surface-mounting				
		- 1 changeover contact, 250 V/50 Hz, 16 A~ $\cos \varphi = 1$							
		- 15 min switching increments			- For 3-module MicroRex - Including terminal cover				
1	1 1 2 8 0 0	- Shortest switching step: 30 min MicroRex T31F – Daily time switch							
	4 120 03	- Without manual switch							
		- 1 changeover contact, 250 V/50 Hz, 16 A~ $\cos \varphi = 1$	Type MicroRex T31 Su/Wi		230 V ~	230 V ~	120 V ~	120 V ~	120 V~
		 15 min switching increments Shortest switching step: 30 min 			50 Hz 4 128 23	50/60 Hz	60 Hz	50 Hz	50/60 H
	4 4 0 0 4 0	0 .	MicroRex W		4 128 28				
1	4 120 13	MicroRex QT31 – Daily time switch	MicroRex T		4 128 12	1 100 10		4 128 16	
		- Quartz motor, 230 V, 50/60 Hz - 1 changeover contact, 250 V/50 Hz, 16 A \sim cos φ = 1	MicroRex 0 MicroRex V		4 128 14	4 128 13		4 128 17	4 128 1
		- 15 min switching increments	MicroRex 0	QW31		4 127 95			4 128 1
		- Shortest switching step: 30 min	MicroRex 1 MicroRex 0		4 127 80	4 107 00	4 127 81		4 107 0
1	4 128 10	MicroRex QT31F – Daily time switch	MicroRex V		4 127 83	4 127 90			4 127 9
		- Without manual switch	MicroRex 0	QW11		4 127 94			4 127 9
		- Quartz motor, 230 V, 50/60 Hz - 1 changeover contact, 250 V/50 Hz, 16 A \sim cos φ = 1							
		- 15 min switching increments	Tune		0 49 1/ 40/				
		- Shortest switching step: 30 min	Type MicroRex 0	QT11	9 - 48 V, AC/ 4 128 20				
1	4 128 14	MicroRex W31 – Weekly time switch							
		- Synchronous motor, 230 V, 50 Hz - 1 changeover contact, 250 V/50 Hz, 16 A \sim cos φ = 1							

- 2 h switching increments

- Shortest switching step: 4 h

4 127 95 MicroRex QW31 – Weekly time switch 1

- Quartz motor, 230 V, 50/60 Hz - 1 changeover contact, 250 V/50 Hz, 16 A~ $\cos \varphi = 1$
- 2 h switching increments
- Shortest switching step: 4 h

Degree of protection

Rex Analogue Time Switches Daily/weekly time switches

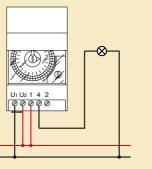
Technical specifications

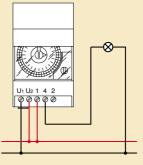
Туре	MicroRex T31 Su/Wi	MicroRex W31 Su/Wi	MicroRex T31	MicroRex QT31	MicroRex W31	MicroRex QW31	MicroRex T11	MicroRex QT11	MicroRex W11	MicroRex QW11		
Number of modules of 17.5 mm each	3							1				
Number of channels	1	1	1	1	1	1	1	1	1	1		
Drive type	quartz	quartz	synchronous	quartz	synchronous	quartz	synchronous	quartz	synchronous	quartz		
Switching dial	24 h	7 days	24 h	24 h	7 days	7 days	24 h	24 h	7 days	7 days		
Running reserve	6 years	6 years	none	100 h	none	100 h	none	100 h	none	100 h		
Switching increment	15 min	2 h	15 min	15 min	2 h	2 h	15 min	15 min	2 h	2 h		
Shortest switching step	30 min	4 h	30 min	30 min	4 h	4 h	15 min	15 min	2 h	2 h		
Switching step	+/- 5 min	+/- 30 min	+/- 5 min	+/- 5 min	+/- 30 min	+/- 30 min	+/- 5 min	+/- 5 min	+/- 30 min	+/- 30 min		
Clock precision	0.2 s/day	0.2 s/day	mains synchronised	2.5 s/day	mains synchronised	2.5 s/day	mains synchronised	2.5 s/day	mains synchronised	2.5 s/day		
Switching capacity • Ohmic 230 V~ cos φ = 1												
Incandescent lamp 230 V~	- 4 A~											
 Inductive 230 V~ cos φ = 0.6 	12 A~											
Switch output	1 changeover contact	1 normally open contact	1 normally open contact	1 normally open contact	1 normally open contact							
Operating temperature	-10 to +55°C											
Desures of such astics						1000						

Connection diagram

MicroRex - plug & play - 3 modules

MicroRex - 3 modules





Application notes MicroRex - Plug & play

Automatic switching for summer/winter time (daylight saving time):

The switching dates programmed into the time switch are valid for Central Europe. The switches occur at 2:00 a.m. CEST. The time switch sets itself to the correct time in fast-run mode.

Automatic setting during startup:

When the mains voltage returns after a power failure, the time switch automatically sets itself to the current time. As with the automatic BST/DST switch, this setting is performed in fast-run mode.

Manual setting:

The time switch setting should not be changed while the power supply is connected or while the time switch is in fast-run mode. This could cause an incorrect time to be displayed later. The internal clock mechanism cannot be influenced by external forces in any way. If the clock hand is incorrectly positioned, this can be corrected manually while the supply voltage is connected and after the automatic setting process is completed (LED is on or flashing).

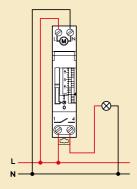
Switching program during fast-run mode:

In fast-run mode, the set switching program is executed at a significantly increased speed.

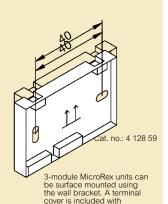


IP20

MicroRex - 1 module



Wall bracket – 3 modules



delivery.

■ LED indicator MicroRex – Plug & play

LED off

No supply voltage or, if the supply voltage is connected, the time switch is in automatic setting mode. No current time.

LED on

The automatic setting process is completed and the BST/DST switch is activated. The time can be corrected manually if it is incorrect.

LED flashes

The automatic BST/DST switch is permanently deactivated, e.g. due to damage to the internal electronics caused by overvoltage. The time switch can continue to be operated with quartz-controlled precision and no running reserve.

The time switch can only be corrected and set manually.

