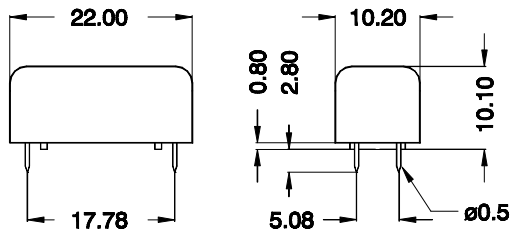
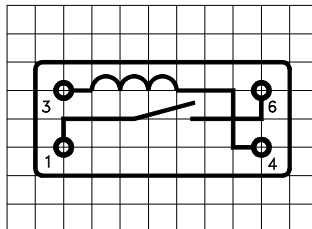


**dimensions** (tolerance  $\pm 0,1\text{mm}$ )



**layout 210 pitch 2,54 / top view**



**marking**



marking of code for manufacturing date according to DIN EN 60062  
P = manufacturing plant

coil data	condition	Min.	Typ.	Max.	Unit
coil resistance	at 20°C	4500		5500	$\Omega$
nominal voltage			24,0		VDC
pull-in voltage				16,8	VDC
drop-out voltage		3,6			VDC
coil voltage	at 20°C			90	VDC
coil voltage	at 60°C			56	VDC
nominal power	determined with nominal voltage and rated current		115		mW

contact data 71 (Form A/Dry)					
contact material		Ruthenium			
rated power	each combination of the switching voltage and current must not exceed the given rated power			10	W
switching voltage				180	VDC
switching current				0,5	A
carry current				1,5	A
static contact resistance	starting values measured with $1,4 \times AT_{\text{pull-in}}$			150	m $\Omega$
Insulation resistance	RH $\Omega$ 45%	$10^{12}$			$\Omega$
breakdown voltage		200			VDC
capacitance	without test coil			0,3	pF

relay data					
insulation resistance coil-contact		$10^{10}$			$\Omega$
insulation voltage coil-contact		2,12			kVDC
shock	½ sine wave, duration 11ms			150	g
vibration	10 – 2000Hz			10	g
operate time inclusive bounce	measured at $1,4 \times AT_{\text{pull-in}}$		0,5		ms
release time			0,1		ms

general data					
operating temperature		-20		70	°C
storing temperature		-25		85	°C
soldering temperature	5 sec. at			260	°C
washability		fully sealed			
material of case		metal case			
sealing compound		polyester-/polyetherurethan self-extinguishing V-0 according to UL94			
material of pins		Cu-alloy tinned			