

### Technical Data


General parameters	Value	Unit
Memory capacity (read / write)	16	bytes
Power supply	inductive via read head	
Carrier frequency	125	kHz
Housing material	plastic PPS	
Degree of protection according to IEC / EN 60529	IP 67	
Installation method	screw fixing, non flush	
Ambient temperature	- 40 to + 85	°C
Data retention time (T = + 50 °C)	min. 10	years

### Operating parameters for reading with

- Read-only head CIT3PL1N30...	Value	Unit
Read distance $s_L$	on metal 0 to 12 *	mm
Center offset $m_L$ in x-direction (at $s_L = 9$ mm)	$\pm 20$ *	mm
Center offset $m_L$ in y-direction (at $s_L = 9$ mm)	$\pm 3$ *	mm
Relative speed for reading of 4 hexadecimal digits (at $s_L = 9$ mm and center offset $m_L = 0$ in y-direction)	max. 20 *	m/min
Number of read cycles	unlimited	cycles
* Values apply at temperature T = + 21 °C		

### Operating parameters for reading and writing with

- Read/write head CIT3SX....	Value	Unit
Read parameters identical with read-only head CIT3PL1N30...	on metal	
Write distance $s_S$	0 to 5 *	mm
Center offset $m_S$ in x-direction (at $s_S = 4$ mm)	$\pm 5$ *	mm
Center offset $m_S$ in y-direction (at $s_S = 4$ mm)	$\pm 1,5$ *	mm
Number of write cycles (at T = - 40 °C ... + 21 °C)	min. 10 <sup>5</sup>	cycles
* Values apply at temperature T = + 21 °C		

Ausg.	Änd.-Nr.	Datum	Name	Datum	Name	Maßstab	
1				31.03.05	PR	-/-	
				31.03.05	FK	Blatt	
				Genehmigt: <i>DS 05/05/04</i>		2	
			Benennung		Zeichnung-Nr.		
			CIS3P35X16SH16YVNOU		095950		
			Bemerkung		Klasse-Nr. 1473		
			CIS3				
						<b>Technische Änderungen vorbehalten</b> <b>Subject to technical modification</b>	