



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)	± 20 *	mm
Center offset m_L in y-direction (at $s_L = 9$ mm)	± 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)	± 5 *	mm
Center offset m_S in y-direction (at $s_S = 4$ mm)	$\pm 1,5$ *	mm
Number of write cycles	min. 10^5	cycles
* Values apply at temperature T = + 21 °C		

Ausg.	Änd.-Nr.	Datum	Name	Datum	Name	Technische Änderungen vorbehalten Subject to technical modification		Maßstab
1				08.04.05	PR			-/-
				08.04.05	FK			Blatt
				Genehmigt	<i>[Signature]</i>			2
						Benennung		Zeichnung-Nr.
						CIS3P35X16SH16YHN0U		084746
						Bemerkung		Klasse-Nr.
						CIS3		1473