



- 1: ID tag
- 2: tag positioning mark (middle of the antenna)

Product characteristics

ID tag

Tag fixture for workpiece carriers

with ID tag E80301

Application

Coding of workpiece carriers in routing conveyors

Electrical data

operating frequency [kHz]

125

Environment

Ambient temperature [°C]

-40...85

Storage temperature [°C]

-40...90

Peak temperature [°C]

120

Protection

IP 67

Tests / approvals

Shock resistance

DIN IEC 68-2-29:

30 g (18 ms)

Vibration resistance

DIN IEC 68-2-6:

6 g (14...200 Hz)

Safety classification

MTTF

[a]

2854

Mechanical data

Housing materials

PBT (Pocan) orange (RAL 2003); PA (polyamide) black (RAL 9005)

Weight

[kg]

0.009

Remarks

Remarks

test duration peak temperature: 1 x 100 h, storage temperature: 1 x 1000 h  
test condition shocks: 3 axes 1084 shocks each, vibration: 3 axes 8 h each

Pack quantity

[piece]

1

Other data

Read/write cycles

for an unlimited period / 100000

Memory [Bit]

224 (7 pages with 32 bits each)

Data retention [years at ^ 55°C]

20

**Read/write distance [mm]**

	Positioning of the ID tags	Reading	Writing
DTA100	front side	20	10
DTA101			-

All indications apply to static read/write operations.

## **E80302 - ID tag - eclass: 27280401 / 27-28-04-01**

If not otherwise stated they refer to ID tag installation in a non-metallic environment.

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