

Request Form ESD (Electrostatic discharge)

Quotation item:	
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Customer Details		
Company:	Date:	
Contact person:	Customer-No.:	
Comment (Customer project, Factory standard):		

Conveyed Product

Nearly all electronic, electrical and optoelectronic components are electrostatic discharge-sensitive components (ESDS). Effective ESD protection is required to protect the sensitive components against damage or destruction. This is described in DIN EN Standards Series 61340.



Conveyed product:

ESD protected area:

no

yes

ESD Design | mk Protection Concept

Transport media and wear strips with < 10¹¹ Ohm surface resistance

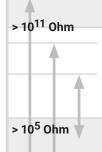
PE nuts with $< 10^5$ Ohm surface resistance as ESD protection components

Designed for dry environments (humidity > 40 % and < 60 %) and room temperature 20°C

Design is satisfactory: yes no (see ESD design | customer protection concept)

ESD Design | Customer Protection Concept

High surface resistance



ESD - insulating (Inside def. protection zone, no current can flow)

ESD - special case, potentially explosive, "antistatic" (< 10¹¹ Ohm/sometimes also < 10⁶ Ohm/low chargeable)

ESD – dissipative/special case, customer specification of resistance values (between 10⁵ and 10¹¹ Ohm or low limitedley)

ESD - conductive -> e.g. plastics with additive up to 10⁵ Ohm

ESD – conductive -> e.g. metals with $< 10^2$ Ohm

Special case, earthed -> with conductive connection to earth

(inside def. protective zone there is no electrical potential)

Low surface resistance

More Information on ESD Design

Customer-specified resistance range (surface resistance or volume resistance):

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Connection Points			
Execution of connection points:	Customer mk		
Execution by mk:	Connect with each other	Earthing (
Specifications for connection points	with regard to position and distance:	no	yes

Environmental Conditions

 $Influence\ on\ conductivity\ (e.g.\ temperature,\ humidity,\ dust/dirt,\ etc.) \climator{:}{:}$

