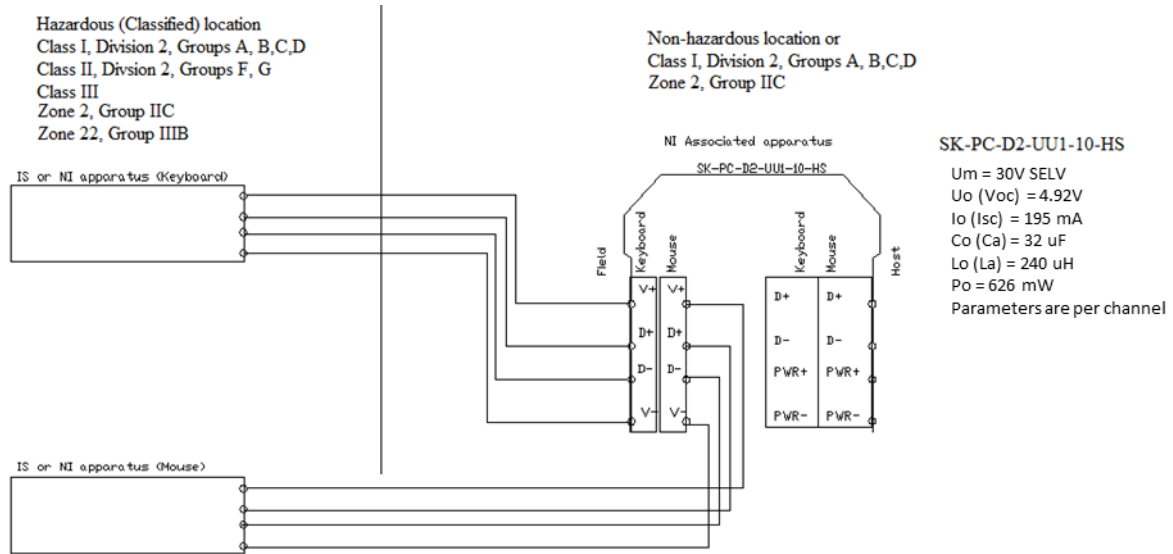
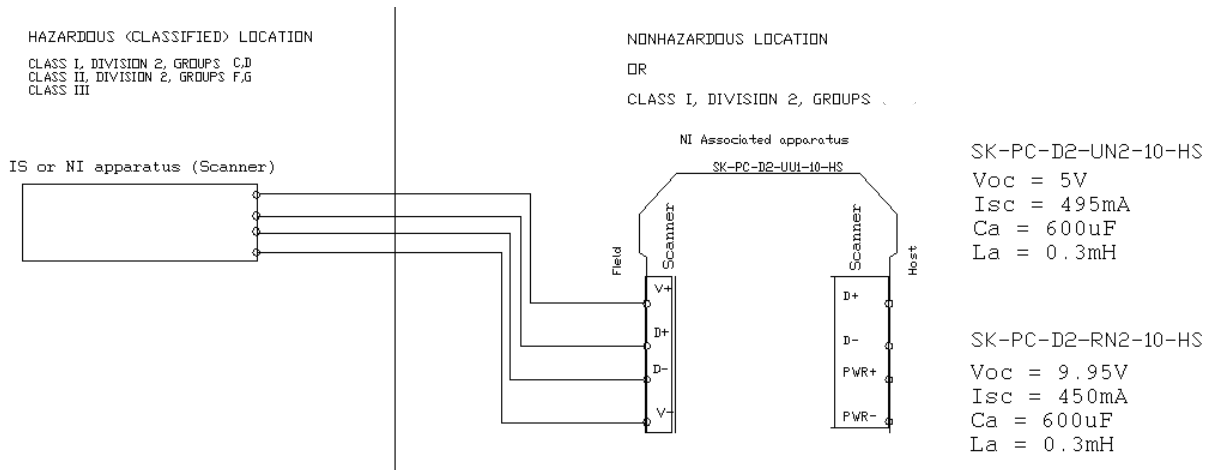


# NI Barrier for keyboard/mouse



# NI Barrier for Scanner



Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!

This document contains safety-relevant information. It must not be altered without the authorization of the norm expert and FM approval.

CONFIDENTIAL acc. to ISO 16016

date: 07-JUL-2017

**PEPPERL+FUCHS**

Control Drawing for NI Barriers Models  
 SK-PC-D2-UU1-10-HS, SK-PC-D2-UN2-10-HS and  
 SK-PC-D2-RN2-10-HS

respons.

approved

norm

116-0337B

sheet 1 of 2

Worldwide

**NOTES:**

- (1) The Entity Concept allows interconnection of non-incendive apparatus with associated apparatus not specifically examined in combination as a system when the approved values of  $V_{oc}$  (or  $U_o$ ) and  $I_{sc}$  (or  $I_o$ ) for the associated apparatus are less than or equal to  $V_{max}(U_i)$  and  $I_{max}(I_i)$  for the non-incendive apparatus and the approved values of  $C_a(C_o)$  and  $L_a(L_o)$  for the associated apparatus are greater than  $C_i + C_{cable}$  and  $L_i + L_{cable}$ , respectively, for the intrinsically safe apparatus,

Where  $C_{cable} = 60\text{pF/ft}$  if unknown  
 Where  $L_{cable} = 0.20\text{uH/ft}$  if unknown


- (2) Wiring methods must be in accordance with the electrical code of the country in use.
- (3) Barriers shall not be connected to any device which uses or generates internally any voltage in excess of 30V r.m.s. or DC unless the device has been determined to adequately isolate the voltage from the barrier.
- (4) Barriers mounted in Class I, Division 2, must be installed in an enclosure with minimum ingress protection of IP2X which is capable of accepting one or more Division 2 wiring methods.
- (5) **WARNING:** Substitution of components may impair suitability for Division 2 hazardous (classified) Locations.  
**ADVERTISEMENT:** La substitution de composants peut compromettre emplacements de Division 2.

**WARNING-** Do not energize or disconnect the device while area is known to be hazardous.

- (6) The associated non-incendive field wiring apparatus shall not be connected in parallel unless permitted by the associated non-incendive apparatus approval.
- (7) The barrier SK-PC-D2-UU1-xx-xx is suitable for use in:  
 Class I, Division 2, Groups A, B, C, D,  
 Zone 2, Group IIC  
 provides non-incendive field wiring to apparatus in:  
 Class I, Division 2, Groups A, B, C, D, Class II, Division 2, Groups F and G, Class III.  
 Zone 2, Group IIC and Zone 22, Group IIIB
- (8) The barrier SK-PC-D2-UN2-xx-xx and barrier SK-PC-D2-RN2-xx-xx are suitable for use in Class I, Division 2, Groups C, D and provides non-incendive field wiring to apparatus in Class I, Division 2, Groups C, D, Class II, Division 2, Groups F and G, Class III.

For model SK-PC-D2-UU1-10-HS, when used in ATEX and IECEx applications

- (1) Barrier shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC/EN 60079-0
- (2) Barrier shall only be used in an area of not more than pollution degree 2, as defined in IEC/EN 60664-1.

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 <b>PEPPERL+FUCHS</b> Worldwide	Control Drawing for NI Barriers Models SK-PC-D2-UU1-10-HS, SK-PC-D2-UN2-10-HS and SK-PC-D2-RN2-10-HS	respons.	116-0337B
		approved	
		norm	