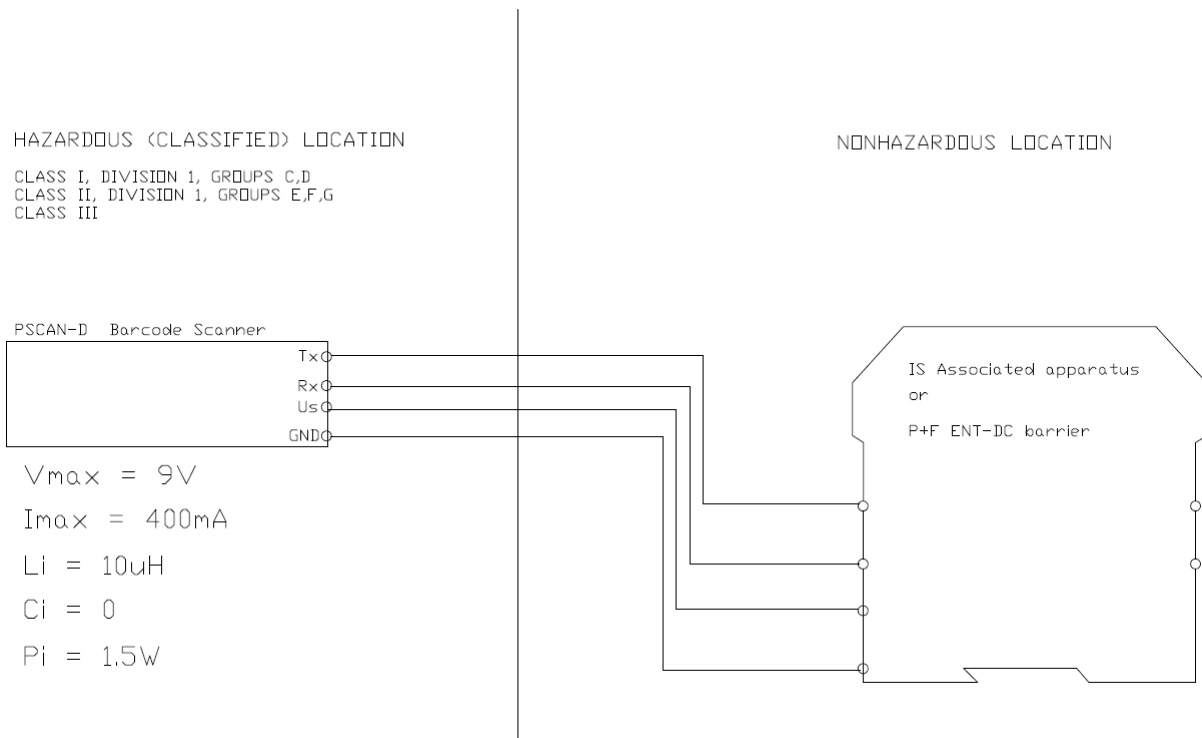
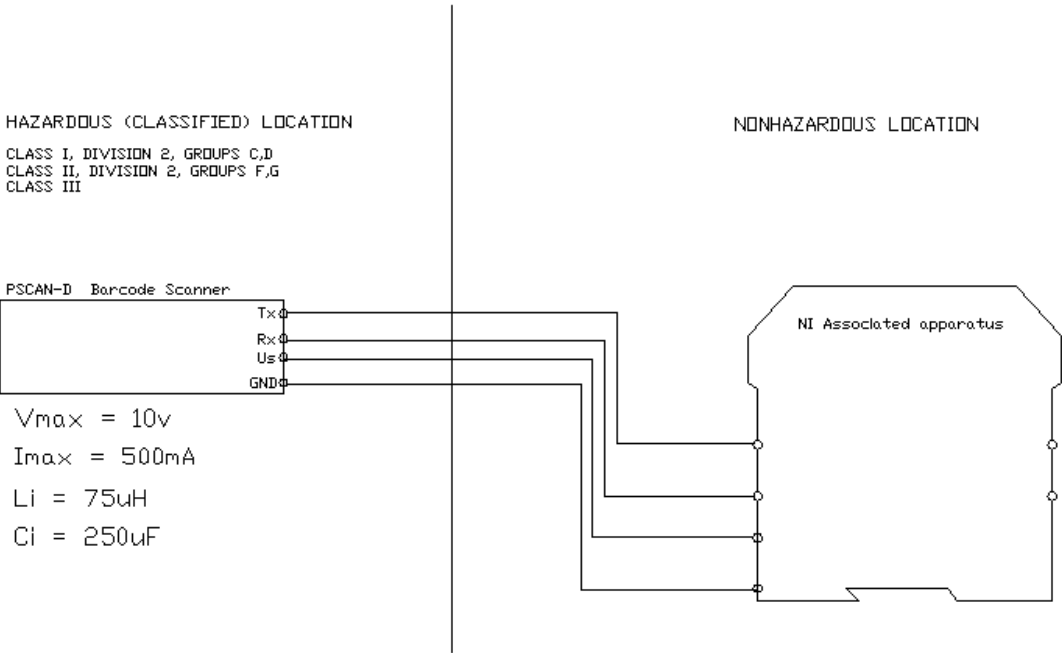


# PSCAN-D wiring for Division 1 with IS barrier



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: 2010-Jun-3	
 Worldwide	Control Drawing	respons.	116-0336	
	PSCAN-D	approved		
		norm		sheet 1 of 3

**PSCAN-D wiring for Division 2 with nonincendive barrier.**




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		norm	

NOTES:

- ① The Entity Concept allows interconnection of intrinsically safe 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 intrinsically safe 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  $C_{cable} = 60pF/ft$  if unknown  
 Where  $L_{cable} = 0.20uH/ft$  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 250V 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 intrinsic safety and suitability for Division 2 hazardous (classified) Locations.  
**ADVERTISEMENT:** La substitution de composants peut compromettre la sécurité intrinsèque et emplacements de Division 2.
- WARNING-** Do not energize or disconnect the device while area is known to be hazardous.
- ⑥ The associated nonincendive field wiring apparatus shall not be connected in parallel unless permitted by the associated nonincendive apparatus approval.
- ⑦ The apparatus is suitable for non-incendive wiring for Class I, II, III, Division 2, Groups C, D, F, G only (Div 2 rated PSCAN-D barcode reader only).

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