

1	2	3	4	5	6	7	8
A	</						

white/ orange

orange

white/ brown

brown

①

②

⑦

⑧

TIA/EIA 568 B

④

⑤

⑥

③

blue

white/ blue

orange

white/ green

①

②

⑦

⑧

INDUSTRIAL

④

⑤

⑥

③

x

x

x

x

blue

white

1	2	3	4	5	6	7	8	
A	 preLink® System 							A
B	Environment specification							
	Storage temperature range -40°C to +85°C (95% RH max.)							
	Operating temperature range -40°C to +85°C (95% RH max.)							
	Rapid change of temperature (IEC 60512-11-4) 5 cycles between -40°C and 85°C with 30 minutes dwell at temp. extremes and 1 minute transition between temperatures							
	Dry heat (IEC 60512-11-9) Temperature 85°C, duration 500 h							
	Damp heat cyclic (IEC 60512-11-12) 5 cycles at test temperature +55°C; Variant 2							
	Cyclic damp heat (IEC 60068-2-38) 25°C to 65°C; cold sub-cycle - 10°C		humidity 93 % RH		21 cycles, 1 cycle/24 h			
	Cold (IEC 60512-11-10) -40°C duration 2 h							
	Flow mixed gas test (IEC 60512-11-7) Duration 4 d, Method 4 (mated and unmated)							
	C	Vibration Sine (IEC 60512-6-4) 10 - 500 Hz; 0.35 mm; 50 m/s2		10 cycles / 2 h / 3 axis		No contact disturbances ≥ 1 µs		
Mechanical shock (IEC 60512-test 6c) Half sine shock 300 m/s2, duration 11 ms		3 shocks / both directions / 3 axis - totally 18 shocks		No contact disturbances ≥ 1 µs				
Mechanical shock (DIN EN 61373 Class 1 cat b) Half sine shock 5 g, duration 30 ms								
Additional test to fulfill DIN EN 50155 for railway equipment 5 shocks / both directions / 3 axis - totally 30 shocks								
Random vibration (DIN EN 61373 Class 1 cat b) 5 - 150 Hz / aeff = 5,72 m/s2 / ASD-Level: 0.964 (m/s2)2/Hz								
D	Additional test to fulfill DIN EN 50155 for railway equipment Duration 5 h							
	No contact disturbances ≥ 1 µs							
E								
F								
1	2	3	4	5	6	7	8	

Coating		A=	mm ²	V=	mm ³	m=	g	Mat.
	All Dimensions in mm		Scale	Free size tol.			Ref.	
	Original Size DIN A3		1:1				Sub.	
	All rights reserved		Created by	Inspected by	Standardisation	Date	State	
	Department EL PD		PREOTU	PRIESTER	ROEBEN	2021-09-07	Final Release	
HARTING D-32339 Espelkamp			Title			Doc-Key / ECM-Nr.		
			preLink System			100571828/UGD/001/H 500000198735		
			Type	Number			Rev.	Page
			DS	20820000000			H	2/2

A3