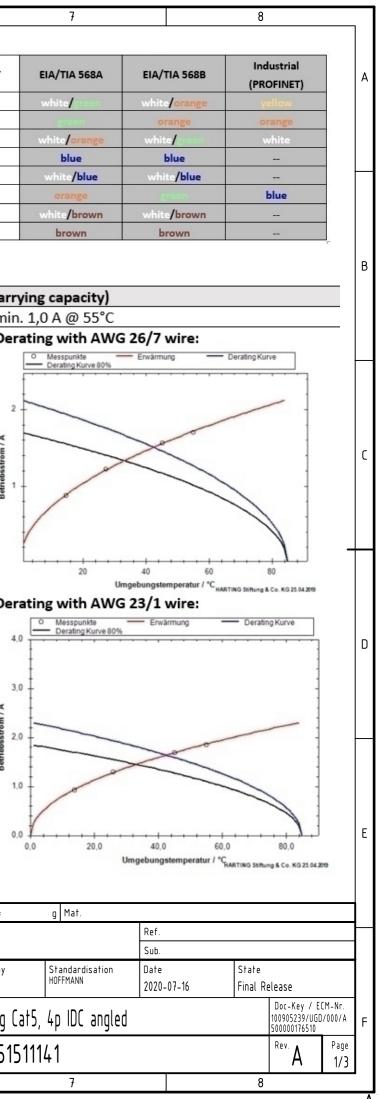
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	IF-PN RJ45 plug Cat5, 4p IDC angled cNIus RoHS	Pin No.	10BASE-T 100BASE-TX	1/10GBASE-T
		1	TX+	BI_DA+
		2	TX-	BI_DA-
General information		- 3	RX+	BI_DB+
Design	RJ45 connector for Ethernet communication	- 4	N.C	BI_DC+
Product standard	IEC 600603-7	5	N.C	BI_DC-
No. of contacts	8 / (4)	6	RX-	BI_DB-
Transmission rate	10 / 100 Mbit/s and 1 / 2.5 / 5 / 10 Gbit/s Note: 4-pole version only 10 / 100 Mbit/s	- 7	N.C	BI_DD+
Transmission performance	8-pole versions 0945 151 1570 / 1571	- 8	N.C	BI_DD-
	Category 6A / Class EA up to 500 MHz	-		
	acc. to ISO/IEC 11801:2002, EN 50173-1	-		
Transmission performance	4-pole versions 0945 151 1140 / 1141	Deneting di		12 10.
	Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, EN 50173-1		agram acc. to IEC5	
Shielding	Fully shielded, 360° shielding contact	Current-car	rying capacity	mir
Termination	Field termination IDC with cutting function of the single wires	- - The average of the second	muing consolity is light	Dei
Degree of protection	IP20		arrying capacity is limite operature of materials	
Mating cycles	min. 750		ncluding terminals.	ior inserts
UL certification RoHS - complainant	under preparation yes		apacity curve is valid fo	r
Lead free	yes		on interrupted current	2
		contacts of co	nnectors when simulta	aneous 🤘
Cable specification			ontacts is given, witho	ut exceeding 🔋
Cable diameter	4,5 to 9 mm	the maximum	temperature.	bsstr
Conductor cross section Conductor diameter	AWG 26 to AWG 22 (solid and stranded) 0,8 – 1,6 mm	-		etie
		 Control and te DIN IEC 60 512 	est procedures accordir	ng to 📟
Electrical specification		- DIN IEC 00 512	2	
Rated current	1,76 A (all pins) values at 0°C / 1,1 A (all pins) values at 55°C	-		
Rated voltage	50 V AC / 60 V DC	-		
Contact Resistance (100 mA max. (DC or 1000 Hz))	contact: 20 mΩ max.	-		
Insulation Resistance	shield: 100 mΩ max. 500 MΩ min. (500 V DC)	-		Der
Voltage Proof	1.000 V DC pin to pin	-		De
	1.500 V DC pin to shielding	-		4
	(for 1 min. current leakage max. 2 mA)	-		
Mechanical operation with electrical load (IEC 60512 – test 9c)	unmating under electrical load with: 1,2 A / 50 V 50 cycles for each polarity			
Power over Ethernet (PoE)	PoE IEEE 802.3af	_		3
	PoE+ IEEE 802.3at	-		4
	4PPoE IEEE 802.3bt	-		mo
Pin and pair grouping assignment		-		Betriebsstrom / A
pin assignment (front view)		-		etrie
		-		
1234	5 6 7 8 ^{Pin 1} 1 2 3 4 5 6 7 8			,
1 2 3 4	5678 ^{Pin 1} 12345678			
		Casting	Δ- ππ ²	
		Coating	A= mm ² V	/= mm³ m=
			ensions in mm Scale	
		All Dim Original	ensions in mm Scale Size DIN A3 1:1	/= mm³ m= Free size tol.
		All Dim Original All rights	ensions in mm Scale	/= mm³ m=
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		All Dim Original All rights Department EL HARTING Electronics GmbH	ensions in mm Scale Size DIN A3 1:1 reserved BALSAN . PD Title RJI N	Free size tol. Inspected by PREOTU 1F-PN RJ45 plug (
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1	2 3 4	5 6
	IF-PN RJ45 plug Cat5, 4p IDC angled 🖓 🏎 🖁	
Mechanical specification Insertion force	Max. 25 N	
Withdrawal force	Max. 25 N	
Mechanical Operation	750 times insertions and extractions	
	mating speed: 10 mm/s max.	
Lock Strength	rest: 5s, min.(unmated) Min. 50 N (for the mating axis direction in state in fitted with applicable connector)	
Environment specification		
Storage temperature range	-40°C to +85°C (95% RH max.)	
Operating temperature range	-40°C to +85°C (95% RH max.) 5 cycles between -40°C and 85°C with 30 minutes dwell at temp. extremes and 1 minute transition betw	
Rapid change of temperature (IEC 60512-11-4)	5 cycles berween -40°C and 65°C with 30 minutes owell at temp. extremes and 1 minute transition berw 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	25°C to 65°C; cold sub-cycle - 10°C; humidity 93 % RH	
(IEC 60068-2-38)	21 cycles, 1 cycle/24 h	
(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)	
	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)	Categroy 1 / Class 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 No contact disturbances ≥ 1 µs	
Random vibration (DIN EN 61373 Class 1 cat b)	Categroy 1 / Class B 5 – 150 Hz / aeff = 5,72 m/s2 / ASD-Level: 0.964 (m/s2)2/Hz	
Additional test to fulfill DIN EN 50155 for railway equipment	Duration 5 h No contact disturbances ≥ 1 µs	
		Coating A= mm ² V= mm
		All Dimensions in mm Scale Free size tol.
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		Department EL PD
		RJI MF-PN RJ45
		HARTING Electronics GmbH

 HARTING Electronics GmbH
 Title RJI

 D-32339 Espelkamp
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А	HARTING	KJI ME-PN KJ40	plug Cat5, 4p I	DE angled c 711 us		
	Material specification					
	Isolator material plug Material	Insulation housing Wire Manager	PC (8-pol. yellow / 4-pol. black) PC (white)			
	Housing material Material	Zink-die-cast (conne				
	Color Plating	silver Housing: 20 µm Ni	error nousing)			
В	Contact					
	Contact material Plating	CuSn6 RJ45 contact mating IDC contact:	g area: 1,27 µm (50 µinch) Au over Ni 2,54 µm (100 µinch) tin			
		Castao bay with and				
	Packaging specification Versions: 0945 151 1570	Carton box with one RJI MF RJ45 plug Ca	at6A, 8p IDC straight			
	0945 151 1571 0945 151 1140	RJI MF RJ45 plug Ca RJI MF-PN RJ45 plu	at6A, 8p IDC angled g Cat5, 4p IDC straight			
C	0945 151 1141	KJI MF-PN RJ45 plu	g Cat5, 4p IDC angled			
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