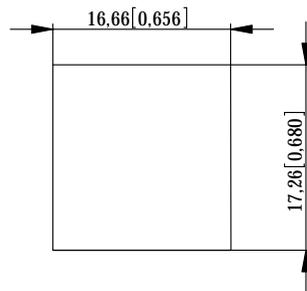


RECOMMENDED PANEL CUTOUT  
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



**MATERIALS AND FINISH**

HOUSING: GLASS FILLED POLYESTER UL 94 V-0 BLACK  
 SHIELDING: Cu ALLOY, PLATED WITH Ni  
 CONTACTS: PHOSPHOR BRONZE  
 CONTACT FINISH: Au, 0.8 µm (30 µin) OVER Ni  
 TERMINAL FINISH: Sn MATTE  
 LED LENS: EPOXY

**MECHANICAL CHARACTERISTICS**

DURABILITY: 1000 MATING CYCLES

**ELECTRICAL CHARACTERISTICS**

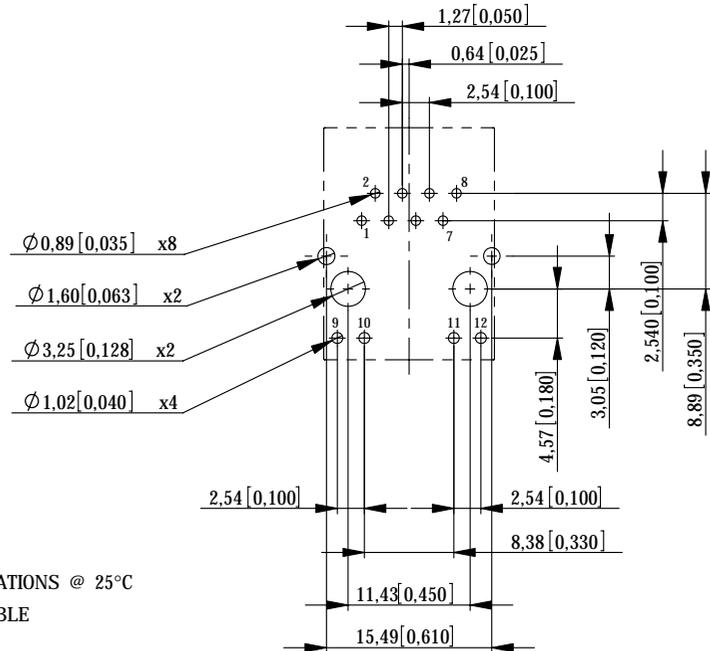
CONTACT RESISTANCE: 30 MILLIOHMS MAX  
 OPERATING TEMPERATURE: 0°C TO 70°C

NOTE 1: RoHS COMPLIANT; PRINT "RC" WITH DATE CODE

NO. IDENT.-NR.	LED 2 LEFT LED 2 LINKS	LED 1 RIGHT LED 1 RECHTS	LED CODE
203323	YELLOW	GREEN	L1
203324	GREEN	YELLOW	L2
203325	GREEN	GREEN	L3
203326	GREEN	RED	L4
203327	ORANGE/GREEN	ORANGE/GREEN	L9

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		www.ERNI.com		<b>203289</b>		1 (1/2) A3	
B		30.11.2006			Class MJIM		
Index		Date					

RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)  
 EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTÜCKUNGSSEITE)  
 TOL ±0.05 [0.002] UNLESS NOTED



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

URNS RATIO:

(P1-P2 : J1-J2) 1CT : 1 ±3%  
 (P3-P6 : J3-J6) 1CT : 1 ±3%

OCL(100 KHz, 0.1 Vrms, 8 mA)

(P1-P2 : P3-P6) 350µH MIN

DCR (P1-P2, P3-P6) 0.9 OHMS MAX

INSERTION LOSS:

0.1-100 MHz -1.1 dB MAX

RETURN LOSS:

0.5 - 30 MHz: -18 dB MIN  
 40 MHz: -15.5 dB MIN  
 50 MHz: -13.6 dB MIN  
 60 - 80 MHz: -12 dB MIN

CROSSTALK:

1-100 MHz -40 dB TYP

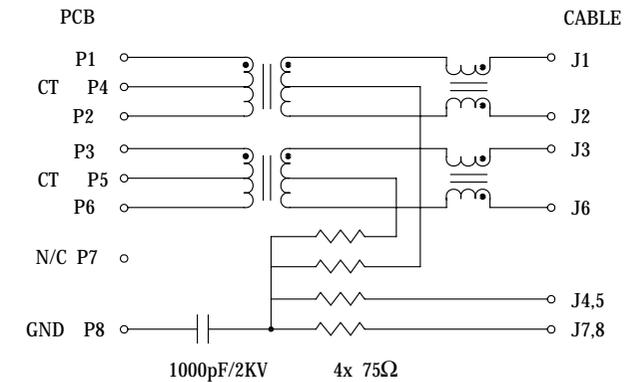
CMR:

0.1 - 30 MHz -50 dB TYP  
 30 - 60 MHz -40 dB TYP  
 60 - 100 MHz -35 dB TYP

ISOLATION

1500 Vrms

ELECTRICAL SCHEMATIC M3D01  
 ELEKTRISCHER SCHALTPLAN



LED SPECIFICATIONS  
 LED ANWEISUNG

COLOR FARBE	V <sub>f</sub> TYP	V <sub>f</sub> MAX	I <sub>f</sub> mA	CIRCUIT DIAGRAM SCHALTPLAN
YELLOW	2.1	2.5	20	
GREEN	2.2	2.5	20	
RED	2.25	2.5	20	
ORANGE/GREEN	2.05/2.2	2.5	20	

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Information:	Tolerances 	Scale 2:1
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