

SAFETY AND INSULATION RATINGS (As per DIN EN/IEC 60747-5-5, this optocoupler is suitable for "safe electrical insulation" only within the safety limit data. Compliance with the safety ratings shall be ensured by means of protective circuits.)

Parameter		Characteristics
Installation Classifications per DIN VDE 0110/1.89 Table 1,	<150 V <sub>RMS</sub>	I–IV
For Rated Mains voltage	<300 V <sub>RMS</sub>	I–IV
Climatic Classification		55/100/21
Pollution Degree (DIN VDE 0110/1.89)		2
Comparative Tracking Index		175

Symbol	Parameter	Value	Unit
V <sub>PR</sub>	Input–to–Output Test Voltage, Method A, $V_{IORM} x 1.6 = V_{PR}$ , Type and Sample Test with $t_m = 10$ s, Partial Discharge < 5 pC	1360	V <sub>peak</sub>
	Input–to–Output Test Voltage, Method B, V <sub>IORM</sub> x 1.875 = V <sub>PR</sub> , 100% Production Test with $t_m$ = 1 s, Partial Discharge < 5 pC	1594	V <sub>peak</sub>
V <sub>IORM</sub>	Maximum Working Insulation Voltage		-

#### ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Мах	Unit

#### ELECTRICAL CHARACTERISTICS INDIVIDUAL COMPONENT CHARACTERISTICS

(T<sub>A</sub> = 25°C unless otherwise noted)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
EMITTER						
V <sub>F</sub>	Input Forward Voltage	I <sub>F</sub> = 10 mA	-	1.18	1.50	V
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> = 6.0 V	-	0.001	10	μΑ

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TYPICAL PERFORMANCE CURVES (continued)



#### **ORDERING INFORMATION** (Note 2)

Part Number	Package	Shipping <sup>†</sup>
4N25M	DIP 6-Pin	50 Units / Tube
4N25SM	SMT 6-Pin (Lead Bend)	50 Units / Tube
4N25SR2M	SMT 6-Pin (Lead Bend)	1000 Units / Tape & Reel
4N25VM	DIP 6-Pin, DIN EN/IEC60747-5-5 Option	50 Units / Tube
4N25SVM	SMT 6-Pin (Lead Bend), DIN EN/IEC60747-5-5 Option	50 Units / Tube
4N25SR2VM	SMT 6-Pin (Lead Bend), DIN EN/IEC60747-5-5 Option	1000 Units / Tape & Reel
4N25TVM	DIP 6–Pin, 0.4" Lead Spacing, DIN EN/IEC60747–5–5 Option	50 Units / Tube

†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.
2. The product orderable part number system listed in this table also applies to the 4N26M, 4N27M, 4N28M, 4N35M, 4N36M, and 4N37M devices.



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PDIP6 8.51x6.35, 2.54P CASE 646BY ISSUE A

DATE 15 JUL 2019



TOP VIEW



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