UNIGATE® IC

Ready-to-install embedded solution

32 DIL
Norm compliant
Certified
Programmable

Designed & manufactured in Germany



Data sheet

Complete PROFIBUS DP Slave interface

Automatical baud rate recognition (9600 bit/s - 12 Mbit/s)

DPV0, DPV1 und DPV2 supported

Isolated PROFIBUS interface

Generic GSD file

Up to 244 Bytes input- and 244 Bytes output (total data length 488 Bytes)

UART up to 625 kBaud

Technical data

Dimensions (WxDxH in mm)	45 x 25 x 9,5 45 x 25 x 13 (execution DPL and DPY)
Voltage supply	5V; 3,3V
Housing	32 DIL
Weight	approx. 10 g
Current consumption	200mA
Operating temperature	Industrial temperature range -40°C up to +85°C
Storage-/Transport temperature	-40°C ... +100°C
Fieldbus functions	All specified PROFIBUS DPV1 Slave functions
Interfaces	2x UART, 1x SPI/Syn. serial
Technology	ASIC
Certifications	PROFIBUS (precertified)

Comparison Chart - UNIGATE IC-PROFIBUS variants

Performance characteristics	UNIGATE IC-Profibis DPL	UNIGATE IC-Profibis DPY	UNIGATE IC-Profibis D
Supported DP application layers	DPV0, DPV1, DPV2	DPV0, DPV1, DPV2	DPV0, DPV1, DPV2
Data length PROFIBUS	244 Byte I/O	244 Byte I/O	244 Byte I/O
Parameter PROFIBUS	16 Byte	244 Byte	244 Byte
Config data PROFIBUS	16 Byte	128 Byte	128 Byte
Diagnosis PROFIBUS	32 Byte	244 Byte	244 Byte
Identification and Maintenance (I&M)	-	I&M 0	I&M 0
Overall high mm	13	13	9,5
Voltage supply	3,3V/5V	3,3V/5V	5V

Order data

Order designation	Description	Order number
UNIGATE IC-ProfibusDPV1	All-In-One Single-Chip Interface for PROFIBUS DPV1, only available as 5Volt-Version	V3218
UNIGATE IC-16-ProfibusDPV1	All-In-One Single-Chip- Interface for PROFIBUS DPV1 with 16K Scriptmemory, only available as 5Volt-Version	V3629
UNIGATE IC-ProfibusDPY, 3,3V	All-In-One Single-Chip Interface for PROFIBUS DPY, 3,3V	V4262
UNIGATE IC-ProfibusDPY, 5V	All-In-One Single-Chip Interface for PROFIBUS DPY, 5V	V4263
UNIGATE IC-ProfibusDPY without RS485 driver, 3,3V	All-In-One Single-Chip Interface for PROFIBUS DPY without RS485 driver, 3,3V	V4265
UNIGATE IC-ProfibusDPY without RS485 driver, 5V	All-In-One Single-Chip Interface for PROFIBUS DPY without RS485 driver, 5V	V4264
UNIGATE IC-ProfibusDPL, 3,3V	All-In-One Single-Chip Interface for PROFIBUS DPL, 3,3V	V3525
UNIGATE IC-ProfibusDPL, 5V	All-In-One Single-Chip Interface for PROFIBUS DPL, 5V	V3473
UNIGATE IC-LWL-ProfibusDPL, 3,3V	All-In-One Single-Chip Interface for LWL-PROFIBUS DPL, 3,3V	V3742
UNIGATE IC-LWL-ProfibusDPL, 5V	All-In-One Single-Chip Interface for LWL-PROFIBUS DPL, 5V	V3743
UNIGATE IC-ProfibusDPL without RS485 driver, 3,3V	All-In-One Single-Chip Interface for PROFIBUS DPL without RS485 driver, 3,3V	V3631
UNIGATE IC-ProfibusDPL without RS485 driver, 5V	All-In-One Single-Chip Interface for PROFIBUS DPL without RS485 driver, 5V	V3626