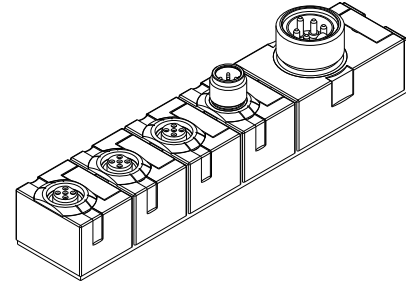


MPR67 Art.-Nr. 56960
 Profibus Repeater IP67 with 2 signals



EMC

EN 61131-2 Product standard

EN 61000-4-2 ESD	: Contact ± 4 kV, air ± 8 kV
EN 61000-4-3 RF-Field & GSM	: 10 V/m
EN 61000-4-4 Burst	: ± 2 kV
EN 61000-4-5 Surge	: asym./symm. ± 500 V (DC input)
EN 61000-4-6 HF-asymmetric	: 10 V
EN 61000-4-8 Magnetic field 50 Hz	: 30 A/m
EN 55011 Emission	: QP 30 dBµV/m (30 - 230 MHz) QP 37 dBµV/m (230 - 1000 MHz) (class B)

Ambient conditions

Operating temperature	: 0 °C ... +55 °C
Storage temperature	: -25 °C ... +70 °C
Enclosure type according to EN 60529	: IP67

Norm EN 60664-1

Overvoltagecategory	: III
Rating volage	: 50 V
Pollution degree	: 3

Mechanical ambient conditions

Oscillation according to EN 60068 Part 2-6	: 10 – 58 Hz; const. amplitude 0.35 mm 58 – 150 Hz; const. acceleration 15 g
Shock according to EN 60068 Part 2-27	: Amplitude 50 g, 11 ms duration

Connection possibilities


System connection Seg.1 (S1/S1')	: M12 male and M12 female plug connector 5-pin
System connection Seg.2 (S2/S2')	: M12 2x female plug connector 5-pin
Power In	: 7/8" male plug connector 5-pin

Miscellaneous

Dimensions (L x W x H) in mm	: 151 x 30 x 34,5 mm
Mounting dimension in mm	: 75 ±0.5 mm
Weight	: Approx. 180 g

Bus data

Transfer rates	: 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 Kbit/s 1,5 / 3,0 / 6,0 / 12,0 Mbit/s
Baud rate detection	: automatically
Mode	: DPV0 / DPV1
Master Class	: 1 + 2
Internally Bus terminator	: no
Address	: no

				Idx	Datum	Gepr.	Data sheet		
h	Überarbeitet	22.07.13	sb	a	05.04.04	Wün	MPR67 Repeater Profibus DP 2 Segmente		
g	Ohne UL	15.11.10	as	h	22.07.13	sl			
f	Produktname	24.09.06	A.S.	Ges					
e	Atex + Norm+Engl	09.03.06	M.H.						
d	Neue SW und UL	16.02.06	A.S.				Art.-No. 56960	Blatt 1	
b	9,6kbit/s weg	09.08.05	km				2 Bl.		
Idx.	Änderung	Datum	Nam						
a	Erstausgabe	05.04.04	Wün	Dateiname: 56960_db_e_h.doc					

Power supply


Operation voltage : 24 V DC
 Operation voltage range : 18 ... 30 V DC
 Current consumption : ≤ 100 mA

Others

max. cascading : 31, see table 1
 galvanic isolation : 500 VDC between Seg.1 and Seg.2
 approvals : CE
 repeat function : between Seg.1 (S1/S1') and Seg.2 (S2/S2')

Formula: "tSlot" = highest MaxTSDR + (repeater quantity * tSlot_d)

Baud rate [kbit/s]	tSlot_d
9,6	2,3
19,2	2,3
45,45	2,2
93,75	2,3
187,5	2,4
500	standard
1500	standard
3000	standard
6000	standard
12000	standard

				Idx	Datum	Gepr.	Data sheet	
h	Überarbeitet	22.07.13	sb	a	05.04.04	Wün	MPR67 Repeater Profibus DP 2 Segmente	
g	Ohne UL	15.11.10	as	h	22.07.13	sl		
f	Produktname	24.09.06	A.S.	Ges				
e	Atex + Norm+Engl	09.03.06	M.H.					
d	Neue SW und UL	16.02.06	A.S.				Art.-No. 56960	Blatt 2
b	9,6kbit/s weg	09.08.05	km				2 Bl.	
Idx.	Änderung	Datum	Nam					
a	Erstausgabe	05.04.04	Wün	Dateiname: 56960_db_e_h.doc				