Product data sheet
Characteristics

ZBRRC
Programmable receiver - 4 PNP - 200 mA - 24 V DC - 2 pusbuttons - 6 LEDs

Main

Range of product	Harmony
Product or component type	Programmable receiver
Device short name	ZBRRC
Output type	4 PNP
Product specific application	Interface to PLC
Function of module	Monostable
Reset time	2 ms (time delay)

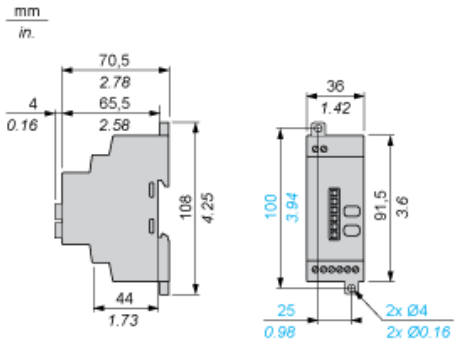
Complementary

Maximum switching current	0.2 A DC
[Us] rated supply voltage	24 V DC - 15...20 %
Utilisation category	DC-13 conforming to IEC 60947-5-1
Power consumption in VA	20 VA DC
Power consumption in W	20 W DC
Immunity to microbreaks	7 ms
Width	35 mm
Output contacts	4 PNP
Nominal output current	0.2 A
Operating position	Any position without derating
Electrical connection	1 conductor cable 0.14...2.5 mm² - AWG26...AWG14 - solid - without cable end conforming to IEC 60947-1 2 conductors cable 0.14...1.5 mm² - AWG26...AWG16 - solid - without cable end conforming to IEC 60947-1 1 conductor cable 0.14...4 mm² - AWG26...AWG12 - flexible - with cable end conforming to IEC 60947-1 2 conductors cable 0.14...1.5 mm² - AWG26...AWG16 - flexible - with cable end conforming to IEC 60947-1
Tightening torque	0.5...1 N.m conforming to IEC 60947-1
Housing material	Self-extinguishing plastic
Status LED	1 LED green for power ON 1 LED green and yellow for reception signal 4 LEDs green for relay ON
Mounting support	35 mm symmetrical DIN rail conforming to EN/IEC 60715

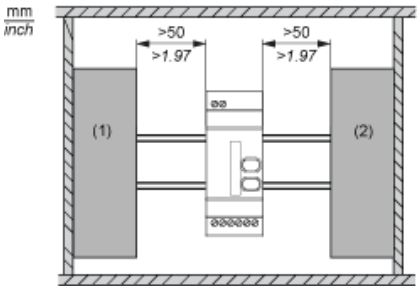
Environment

Standards	IEC 6100-4-2 IEC 6100-4-3 IEC 6100-4-4 IEC 6100-4-5 IEC 6100-4-6 IEC 6100-4-11
Product certifications	CSA C-Tick GOST UL ANATEL SRRC
Marking	CE
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...55 °C
Relative humidity	90 % at 55 °C
Vibration resistance	+/- 6.2 mm (f= 5...11 Hz) conforming to IEC 60068-2-6 3 gn (f= 11...150 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP20 on casing conforming to IEC 60529 IP20 on terminals
Pollution degree	2 conforming to IEC 60664-1
Overvoltage category	III conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to NF C 20030
[Ui] rated insulation voltage	< 60 V conforming to IEC 60664-1
Electromagnetic compatibility	Conducted emission conforming conforming to EN 300-489-3 and EN 300-489-1 Radiated emission conforming conforming to EN 300-440-1 and EN 300-440-2
Resistance to electrostatic discharge	8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 6 kV on contact (on metal parts) conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m, f = 80...2000 MHz conforming to IEC 60947-5-1 3 V/m, f = 80...2700 MHz, distance = 20 m conforming to IEC 60947-4-3
Resistance to fast transients	1 kV (PNP output wires) 2 kV (power supply wires)

Programmable Receiver

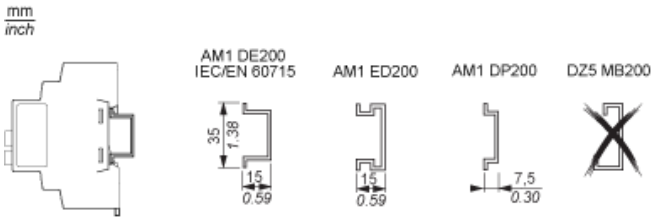


Receiver Clearance



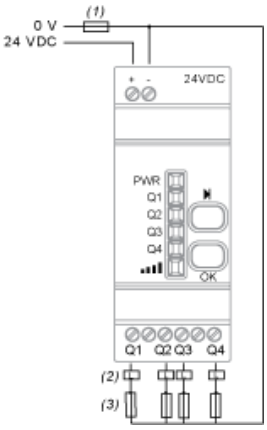
(1) Drive
(2) Power Supply or PLC

Receiver Mounting



Programmable Receiver

Wiring Diagram



(1) 400 mA fast-blow fuse
(2) Imax = 200 mA
(3) Imax = 300 mA