Model number

IRT-FP3-IS

Read Station with Procedure 3964R

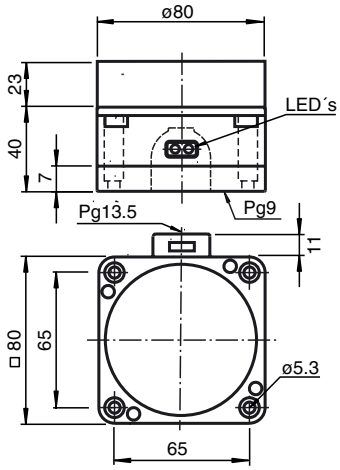
Features

- Read station with integrated control interface
- Serial interface TTY (20 mA current loop)
- Up to 4 read stations in one current loop
- Siemens protocol procedure 3964R with interpreter RK512
- LEDs as function indicators
- Protection degree IP67

Function

The read station consists of a read head and is equipped with an integrated analysis system. The device can be directly connected to the higher-order PLC via the TTY serial interface (20 mA current loop). This can be, for example, an S5-115U automation device with CPU943 as well as a CP525 interface module for the connection of the stations.
The 3964R computer coupling procedure with interpreter RK512 is used for the communication. Up to 4 read stations can be connected in one current loop. With the read stations, code carriers ICC-30 and larger can be read.

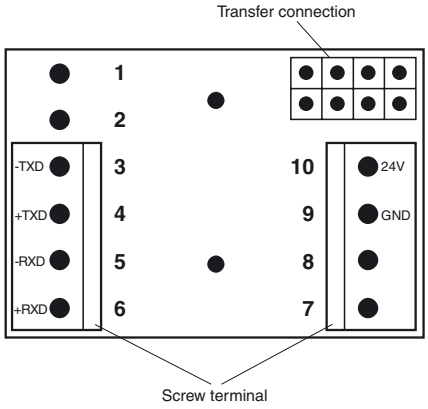
Dimensions



Technical data

Indicators/operating means		
LED green		power on
LED yellow		code carrier detected
Electrical specifications		
Rated operational voltage	U_e	20 ... 30 V DC , ripple 10 $\%_{SS}$ at U_B = 30 V
Power consumption	P_0	max. 4 W
Supply		connected read station: max. 30 V across the loop
Interface		
Physical		TTY (20 mA current loop) asynchronous fullduplex max. 4 read stations on one loop
Protocol		Siemens 3964R with procedure RK 512
Transfer rate		1200; 2400; 4800; 9600 Bit/s
Cable length		300 m at 9600 Bit/s
Ambient conditions		
Ambient temperature		-25 ... 70 °C (248 ... 343 K)
Storage temperature		-40 ... 85 °C (233 ... 358 K)
Mechanical specifications		
Protection degree		IP65 according to EN 60529 using a PG cable gland
Connection		screw terminals
Interface cable		6 x 0.14 mm^2 screened, max. resistance 100 Ohm/km
Supply		up to 3 x 1.5 mm^2
Material		
Housing		PBT
Lower section		aluminium diecasting
Installation		
In metal		not embeddable, overshoot at least 10 mm
Distance between two heads		≥ 500 mm

Electrical connection



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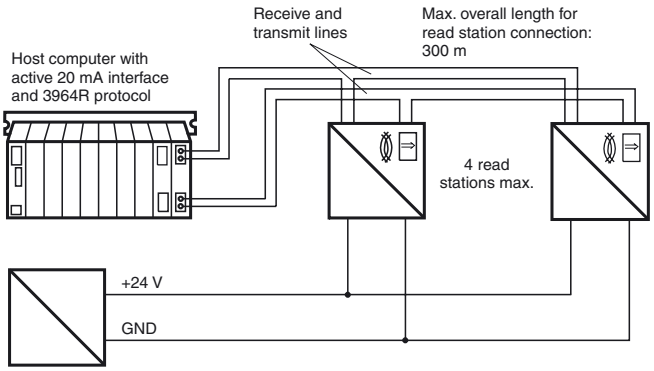
Notes



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