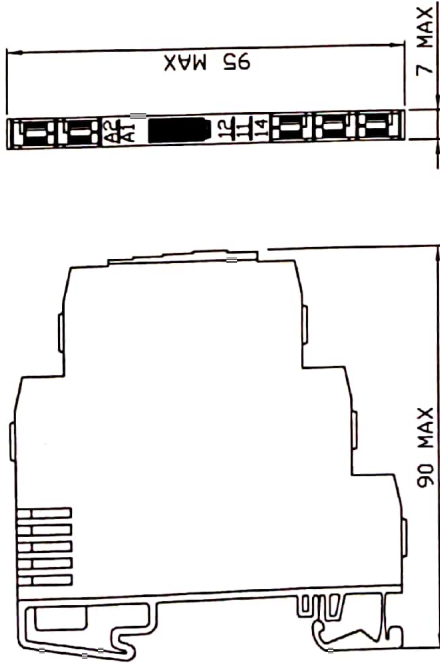


CIRCUIT DIAGRAM

DESIGN DATA

INPUT
 NOMINAL VOLTAGE U_n
 VOLTAGE RANGE
 RATED CURRENT (AT U_n)
 STATUS INDICATION
 PROTECTION DEVICE
 RATED INSULATION VOLTAGE

DC 24V
 DC 16.8-30.0V
 22-mA
 LED
 BRIDGE RECTIFIER
 150V
 CONTAMINATION LEVEL 2

LOAD SIDE

SWITCHING CAPACITY
 SWITCH-ON DELAY
 SWITCH-OFF DELAY
 CONTACT MATERIAL
 CAPACITY OF

AC/DC SEE TABLE
 APPROX. 25msec
 APPROX. 25msec
 AgSnO₂ HARD-GOLD-PLATED

RATED INSULATION VOLTAGE

250V
 CONTAMINATION LEVEL 2
 APPROX. 5MS

BOUNCE TIME
 SWITCHING CAPACITY

GENERAL
TERMINATION

SPRING TERMINAL SINGLE STRANDED 0.08-2.5MM² FINE
 STRANDED 0.08-2.5MM² STRIPPING LENGTH: 6-7 MM
 CONTAMINATION LEVEL 2

CONTACT TYPE

MECHANICAL SERVICE LIFE
 HOUSING MATERIAL
 OPERATION TEMPERATURE RANGE
 STORAGE TEMPERATURE RANGE
 WEIGHT (kg/piece)

> 5 X 10⁶ OPERATIONS
 POLYMER
 -40°C TO 70°C
 -40°C TO 80°C
 25gm (APPROX)

MOUNTING

-DIN 35 RAIL

STANDARDS

EN 50155-RAILWAY APPLICATIONS-ELECTRONIC EQUIPMENT
 USED ON ROLLING STOCK

EN 61373-RAILWAY APPLICATIONS-ROLLING STOCK
 EQUIPMENT-SHOCK AND VIBRATION TESTS

FORM
 PROTECTION CLASS
 APPLICATION

MICROCOMPACT
 IP 20
 RAILWAY VEHICLES

SIGN AND DATE		REF. DRG. NO.		INVENTORY NO.	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	
CHECKED		DATE		CHECKED	
APPROVED		DATE		APPROVED	
ZONE		ZONE		ZONE	
REV		DATE		REV	
ALTERED		DATE		ALTERED	