

PSS u2 EF 8DI -R

327101



PSS u2, electronic module, failsafe, 8 inputs, pulse stretching, discrepancy monitoring, test pulse outputs with 24 V DC 0.25 A, configurable, short circuit proof, 1-row, for increased environmental requirements and railway applications, terminal block PSSu2 T 16 required (not included in the scope of delivery).

Technical details

General data

Approval: CE, TÜV

Application range: Failsafe

Technical data

Inputs

Signal level at input at 0: -3 - +5 VDC

DC voltage at input: 24 V DC

Input type to EN 61131-2: 3

Potential isolation input: Yes

Test clock outputs

Number of test pulse outputs: 4

Environmental data

App. site standard¹ railway: EN 50125-3

App. site to standard¹ railway: Track area (1m - 3m)

Climatic suitability to ...: EN 60068-2-30, EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14

Ambient temperature standard: EN 60068-2-14

Ambient temperature: -40 - 70 °C

Storage temperature standard: EN 60068-2-1/-2

Climatic suitability standard: EN 60068-2-78

Humidity rating: 95 % r. h. at 40 °C

Perm. operating height ASL:	5000 m
EMC to standard:	EN 50121-4, EN 61000-6-2, EN 61000-6-4, EN 61131-2 (Zone B)
Broad band noise to:	EN 60068-2-64
Acc. shock to standard1:	20 m/s ²
Clearance & creepage dist.to 2:	EN 50124-1
Overvoltage category 2:	OV2
Clearance & creepage dist. to:	EN 61131-2
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Potential separation	
Potential isolation 1 between:	Input and module supply
Type of potential isolation 1:	Functional insulation
Potential isolation 2 between:	Test pulse o/p and mod. supply
Type of potential isolation 2:	Functional insulation
Mechanical data	
Housing material:	PC
Terminal style:	plug-in
Height dimension:	110.8 mm
Width dimension:	12.5 mm
Depth dimension:	72.5 mm
Net weight:	37 g
Gross weight:	46 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7a
REACH compliance:	contains min. 1 SVHC-substance

REACH included substances:	Lead
%-part of the pollutant:	> 0,1
CAS No.:	7439-92-1
SCIP entry available:	yes
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242604
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001599
UNSPSC 25:	39122331
GTIN:	4046548103564
Volume:	0.216 dm ³
Harmonized System Code:	85389091
Type of tariff number:	TARIC
Use of customs tariff number:	Ausfuhr, Einfuhr
Quantity per packaging unit:	1

Obligatory accessories



328850

PSS u2 T 16 (1 pc.)

Optional accessories



328913

PSS u2 A LA E1 (10 pcs.)



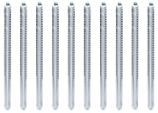
328914

PSS u2 A LA E2 (10 pcs.)



328911

PSS u2 A LC E2 (10 pcs.)



328912

PSS u2 A LC T3 (10 pcs.)



328851

PSS u2 T 16 (10 pcs.)



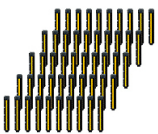
328860

PSS u2 A CE E (10 pcs.)



328910

PSS u2 A LC E1 (10 pcs.)



328852

PSS u2 T 16 (5 x 10 pcs.)



327810

PSS u2 B 4 -R