

## PDP67 PN 6FDI 6FDIO 2FDOTP

4R000001



PDP67, device, protection type IP67, control system I/O, failsafe and standard, 2 M12 ports, PROFINET IO DEVICE with PROFI-safe, Conformance Class C (CC-C), PROFIenergy, IRT/RT, data set I&M 0 and 1-4, digital inputs and outputs, 6/12 inputs, test pulse outputs with 24 V DC 0.25 A, 6/0 outputs, semiconductor, 0.5 A, single-pole, positive-switching, short circuit proof, protected against overload, 2 outputs, semiconductor, 2 A, dual-pole, switches to 24 V (O0+) And 0 V (O0-), short circuit proof, protected against overload, supply voltage, infeed device supply 24 V DC 16 A, infeed load supply 24 V DC 16 A, potential isolation, connection functional earth.

## Technical details

### General data

Approval:	CE, UKCA, cULus Listed, EAC (Eurasian), TÜV
Application range:	Failsafe

### Technical data

#### Electrical data

Purpose of U1:	Device supply
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	480 W
Potential isolation U1:	Yes
Purpose of U2:	Load supply
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Tolerance of U2:	-30 %/+25 %
Potential isolation U2:	Yes

#### Inputs

Signal level at input at 0:	-3 - +5 VDC
DC voltage at input:	24 V DC
Input type to EN 61131-2:	1, 3
Software filter time:	0 ms ... 10 ms

Potential isolation input:	Yes
Voltage supply to inputs:	Device Supply
Semiconductor outputs	
Supply to 1pole outputs:	Device Supply
Potential isolation of S/C O:	Yes
S/C output short circuit proof:	Yes
Perm. load 1pole Output:	Resistive, Inductive, Capacitive
Semiconductor outputs 2-pole	
Number 2-pin SC outputs:	2
Supply to 2pole outputs:	Load supply
SC outp. 2p. short circ.-proof:	YES
Test clock outputs	
Number of test pulse outputs:	12
PROFINET interface	
PROFINET IO specification:	V2.33
PROFINET conformance classes:	C
PROFIsafe version:	V2.6
Settable trans.rate PROFINET:	100 MBit/s
Trans. rate setting PROFINET:	Automatic
PROFINET certification:	PNO
PROFINET manufacturer ID:	092Fh
Connector type PROFINET i/f:	M12
PROFINET type:	IO device
Environmental data	
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:	-30 - 70 °C
Storage temperature standard:	EN 60068-2-1/-2

Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Briefly
Perm. operating height ASL:	5000 m
EMC to standard ...:	EN 61131-2 (Zone B)
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	200 m/s <sup>2</sup>
Clearance & creepage dist. to:	EN 61131-2, UL/IEC 61010-2-201
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
UL enclosure type:	type 1
Potential separation	
Potential isolation 1 between:	Load supply and device supply
Type of potential isolation 1:	Functional insulation
Potential isolation 2 between:	Ethernet and device supply
Type of potential isolation 2:	Functional insulation
Potential isolation 3 between:	Ethernet and load supply
Type of potential isolation 3:	Functional insulation
Mechanical data	
Housing material:	GD-ZnAl4Cu1
Connection terminal:	M12
Terminal style:	screw interlocked
Height dimension:	257.8 mm
Width dimension:	61.3 mm
Depth dimension:	34.5 mm
Net weight:	980 g
Gross weight:	1000 g
Environment	

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:	4046548088083
Volume:	0.658 dm3
Harmonized System Code:	85389091
Type of tariff number:	TARIC
Use of customs tariff number:	Ausfuhr, Einfuhr
Quantity per packaging unit:	1

## Optional accessories



380308

PSS67 M12 connector, straight, male, 5pole



380309

PSS67 M12 connector straight, female, 5pol



C1000030

Cable/PW/M12-5SFX/XXX-5XXX/L/020/1Q50/BK



380070

Stripping Tool



C1000033

Acc/MA/label plates/IP67



380071

Crimping Tool



380300

PSEN ma adapter



380301

PSEN cs adapter



C1000062

Cable/PW/M12-5SFX/XXX-5XXX/L/010/2Q50/BK



C1000061

Cable/PW/M12-5SMX/M12-5SFX/L/003/2Q50/BK



C1000060

Cable/PW/M12-5SMX/M12-5SFX/L/0,5/2Q50/BK












C1000023










Cable/FC/M12-5AMX/M12-5SFX/A/005/0Q34/BK












C1000022

Cable/FC/M12-5AMX/M12-5SFX/A/003/0Q34/BK

	C1000021	Cable/FC/M12-5AMX/M12-5SFX/A/0,5/0Q34/BK
	C1000020	Cable/FC/M12-5SMX/M12-5SFX/A/030/0Q34/BK
	C1000027	Cable/PW/M12-5SFX/XXX-5XXX/L/003/1Q50/BK
	C1000026	Cable/FC/M12-5AMX/M12-5SFX/A/030/0Q34/BK
	C1000025	Cable/FC/M12-5AMX/M12-5SFX/A/020/0Q34/BK
	C1000024	Cable/FC/M12-5AMX/M12-5SFX/A/010/0Q34/BK
	C1000029	Cable/PW/M12-5SFX/XXX-5XXX/L/010/1Q50/BK
	C1000028	Cable/PW/M12-5SFX/XXX-5XXX/L/005/1Q50/BK
	4R000002	µSD Memory Card 512MB M12A

	C1000012	Cable/PW/M12-5SMX/M12-5SFX/L/005/1Q50/BK
	C1000011	Cable/PW/M12-5SMX/M12-5SFX/L/003/1Q50/BK
	C1000010	Cable/PW/M12-5SMX/M12-5SFX/L/0,5/1Q50/BK
	C1000016	Cable/FC/M12-5SMX/M12-5SFX/A/003/0Q34/BK
	C1000015	Cable/FC/M12-5SMX/M12-5SFX/A/0,5/0Q34/BK
	C1000059	Adapter/ML/M12-5SMX/M12-5SMX/M12-8SFX/XX
	C1000014	Cable/PW/M12-5SMX/M12-5SFX/L/020/1Q50/BK
	C1000013	Cable/PW/M12-5SMX/M12-5SFX/L/010/1Q50/BK
	C1000019	Cable/FC/M12-5SMX/M12-5SFX/A/020/0Q34/BK

	C1000018	Cable/FC/M12-5SMX/M12-5SFX/A/010/0Q34/BK
	C1000017	Cable/FC/M12-5SMX/M12-5SFX/A/005/0Q34/BK
	380324	Caps for IP67 moduls
	380328	Acc/MA/caps L-coded/M12
	C1000001	Cable/PN/RJ45-4SM/M12-4SMX/D/003/Q324/GN
	C1000005	Cable/PN/M12-4SMX/M12-4SMX/D/0,5/Q324/GN
	C1000004	Cable/PN/RJ45-4SM/M12-4SMX/D/020/Q324/GN
	C1000003	Cable/PN/RJ45-4SM/M12-4SMX/D/010/Q324/GN
	C1000002	Cable/PN/RJ45-4SM/M12-4SMX/D/005/Q324/GN

	C1000009	Cable/PN/M12-4SMX/M12-4SMX/D/020/Q324/GN
	380310	PSS67 M12 connector, angled, male, 5pole
	C1000008	Cable/PN/M12-4SMX/M12-4SMX/D/010/Q324/GN
	C1000007	Cable/PN/M12-4SMX/M12-4SMX/D/005/Q324/GN
	C1000006	Cable/PN/M12-4SMX/M12-4SMX/D/003/Q324/GN
	380311	PSS67 M12 connector, angled, female, 5pole
	380317	M12 con., straight, female, 5 pin, L, S
	380318	M12 con., straight, male, 5 pin, L, S
	380316	M12 con., straight, male, 4 pin, D