Data sheet

UR20-16DO-P-PLC-INT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Digital output modules P- or N-switching; short-circuit-proof; up to 3-wire + FE
Digital output modules are available in the following variants: 4 DO, 8 DO with 2- and 3-wire technology, 16 DO with or without PLC interface connection. They are mainly used for the incorporation of decentralised actuators. All outputs are designed for DC-13 actuators acc. to DIN EN 60947-5-1 and IEC 61131-2 specifications. As with the digital input modules, frequencies of up to 1 kHz are possible. Protection of the outputs ensures maximum system safety. This consists of an automatic restart following a short-circuit. Clearly visible LEDs signal the status of the entire module as well as the status of individual channels.
In addition to the standard applications of the digital output modules, the range also includes special variants such as the 4RO-SSR module for rapidly switching applications. Fitted with solid state technology, 0.5 A is available here to each output. Furthermore, there is also the 4RO-CO relay module for power-intensive applications. It equipped with four CO contacts, optimised for a switching voltage of 255 V UC and designed for a switching current of 5 A.
The module electronics supply the connected actuators from the output current path (UOUT).

General ordering data

Version	Remote I/O module
Order No.	1315270000
Type	UR20-16DO-P-PLC-INT
GTIN (EAN)	4050118118162
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Dimensions and weights

Net weight	85 g

Temperatures

Storage temperature	-40 °C ... +85 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	7a, 7cl	
REACH SVHC	Lead 7439-92-1, Diboron trioxide 1303-86-2, Lead monoxide 1317-36-8	
SCIP	b5ed5bad-cbfe-4ad3-903c-fc3d1093a415	
Product Carbon Footprint	Cradle to gate	7,856 kg CO2 eq.

digital outputs

Leakage current	<0.5 mA	Number of digital outputs	16

Classifications

ETIM 8.0	EC001599	ETIM 9.0	EC001599
ETIM 10.0	EC001599	ECLASS 14.0	27-24-26-04
ECLASS 15.0	27-24-26-04		

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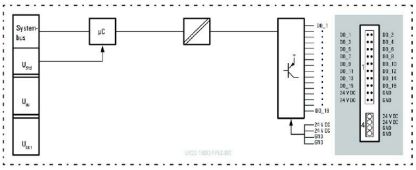
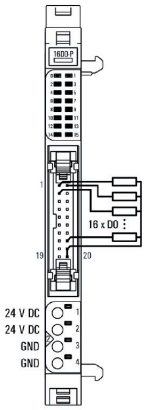
Drawings

Block diagram



Connection diagram



Explanation of abbreviations

odules

– 8DO – P – 2W – HD

DO = Digital output
RO = Relay output

P = PNP (positive switching)
N = NPN (negative switching)
PN = configurable switching

2W = 2 wire
PLC-INT = PLC-interface
ISO = Isolated

HD = Hig
A = Ampe
CO-255 :
SSR-255