

## Digital Output Modules 16 Outputs



**16 Outputs****Documentation**

• Data sheet

**Technical data**

		R-IB IL 24 DO 16-PAC
<b>Digital outputs</b>		
<b>Number</b>		16
<b>Nominal output voltage UOut</b>		24 V DC
<b>Differential voltage at INom</b>	Max. [V]	1
<b>Nominal current INom per channel</b>	[A]	0.5
<b>Nominal current tolerances</b>		+ 10 %
<b>Total current of outputs</b>	[A]	8
<b>Protection</b>		Short-circuit/overload of sensor supply
<b>Signal delay upon power on of nominal resistive load (12 Ω/48 W)</b>	[μs]	typ. 500 μs
<b>Signal delay upon power on of nominal lamp load (48 W)</b>	[ms]	typ. 100 ms
<b>Signal delay upon power on of nominal inductive load (1.2 H, 12 Ω)</b>	[ms]	typ. 100 ms
<b>Signal delay upon power down of nominal resistive load (12 Ω/48 W)</b>	[μs]	typ. 1 ms
<b>Signal delay upon power down of nominal lamp load (48 W)</b>	[μs]	typ. 1 ms
<b>Signal delay upon power down of nominal inductive load (1.2 H, 12 Ω)</b>	[ms]	typ. 50 ms
<b>Actuator connection type</b>		2-, 3-wire connection
<b>Electric data</b>		
<b>Voltage supply</b>	Typ. [V]	24
<b>Voltage Supply Range</b>	Min. [V]	19
	Max. [V]	30
<b>Logic voltage UL</b>		7,5 V
		90 mA
<b>Segment supply voltage U<sub>s</sub></b>	[V DC]	24
	Max. [mA]	8 A
<b>Operating mode: process data mode</b>	Bit	16

Digital Output Modules

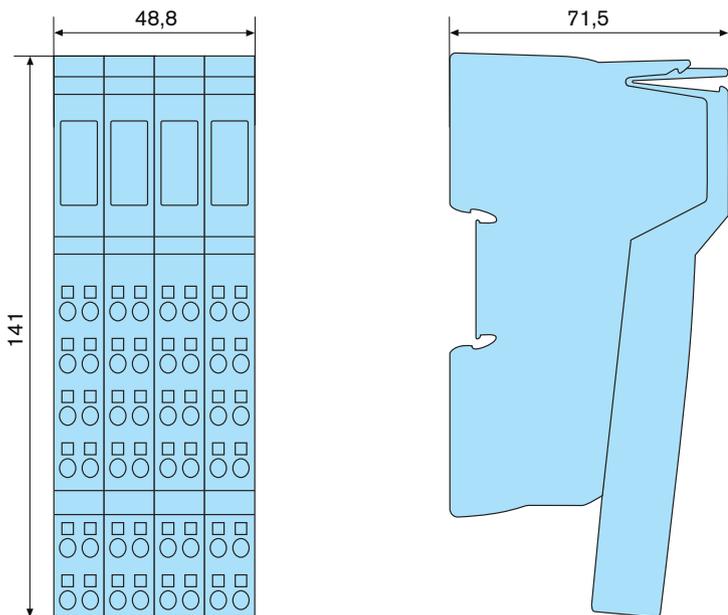
**16 Outputs**

<b>Transmission speed</b>		500 kbauds
<b>Error message to the higher level control system</b>		Short-circuit/overload of sensor supply
<b>Protection</b>		
<b>Category Total</b>		IP20
<b>Protection</b>		Class 3 according to VDE 0106, IEC 60536
<b>Forces</b>		
<b>Vibration Resistance</b>	[g]	5
<b>Shock Resistance</b>	[g]	25
<b>Standards</b>		
<b>Certification</b>		UL 508
<b>Weight</b>		
<b>Weight</b>		130 g
<b>Ambient conditions</b>		
<b>Ambient temp. operation</b>	Min. [°C]	-25
	Max. [°C]	55
<b>Ambient temp. storage</b>	Min. [°C]	-25
	Max. [°C]	85
<b>Relative humidity operation</b>	Max. [%]	90
<b>Relative humidity storage</b>	Min. [%]	5
	Max. [%]	95
<b>Atmospheric pressure (operation)</b>	Max. [kPa]	106
	EN 60034-1	(up to 2,000 above MSL)
<b>Atmospheric pressure (transport/storage)</b>	Min. [kPa]	70
	Max. [kPa]	106
	EN 60034-1	(up to 3,000 above MSL)

**Dimensions**

Digital Output Modules

**16 Outputs**



		R-IB IL 24 DO 16-PAC
<b>Dimensions</b>		
<b>Height H</b>	[mm]	120
<b>Width W</b>	[mm]	48.8
<b>Depth D</b>	[mm]	71.5

**Type code**

Type code	Description	Part No.:
R-IB IL 24 DO 16-PAC	Digital output terminal block, 16 digital outputs, 500 mA, 3-wire-connection	R911170757

**Bosch Rexroth AG**

Electric Drives and Controls

P.O. Box 13 57

97803 Lohr, Germany

Bgm.-Dr.-Nebel-Str. 2

97816 Lohr, Germany

Phone +49 9352-40-0

Fax +49 9352-40-4885

[www.boschrexroth.com/electrics](http://www.boschrexroth.com/electrics)

The data specified above only serve to describe the product.

As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.