

## DO-16 for imc CRONOS-SL/compact

## 16 Digital Outputs



The modular plug-in DO-16 for imc CRONOS *compact* (or configuration module for imc CRONOS-SL) offers 16 isolated driver-capable control signals. The signal states can be derived mathematically from channel measurement data by imc Online FAMOS, or influenced by means of imc CRONOS-SL/*compact*'s trigger machine. This makes it possible to realize control functions using the simplest methods.

Order code:

Article number Remarks

CRSL/DO-16-D	11800039	for installation in an imc CRONOS-SL housing
CRC/DO-16	11700063	for installation in an imc CRONOS compact housing
CRC/DO-16-ET	11710037	version in extended temperature range
CRC/DO-16-R	11700126	for installation in an imc CRONOS compact 19" RACK
CRC/DO-16-R-ET	11710085	version in extended temperature range

Terminal connections:

• 2x DSUB-15 terminals for each group of 8 inputs

Included accessories for imc CRONOS compact.

• 2x ACC/DSUBM-DO8, 15-pin DSUB connection terminal for 8-bit groups Included accessories for imc CRONOS-SL:

Optional accessories:

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• ACC/DSUBM-DO8-IP65, 15-pin DSUB connection terminal for each 8-bit group



## DO-16 digital outputs

Parameter	Value typ.	min. / max.	Remarks
Channels	1	6	two 8-bit groups, isolated, common reference potential ("LCOM") for a group
Terminal connection	DSU	B-15	ACC/DSUB-DO8
Isolation strength	±5	0 V	to system ground (protection ground)
Output configuration	totem pole (push p	oull) <i>or</i> open-drain	configurable with wire jumper ("ODRN" - "LCOM") in the connector pod
State following system start	High resista	nce (high-Z)	Independent of output configuration (OPDRN- pin)!
Activation of the output stage following system start	upon first p of measi	reparation urement	with initial states which can be adjusted in the experiment (High / Low) in the selected output configuration (OPDRN-pin)
Output level	c max. U <sub>e</sub>	FL or <sub>xt</sub> -0.8 V	internal isolated supply voltage by means of connecting an external supply voltage U <sub>ext</sub> with "HCOM", U <sub>ext</sub> = 5 V to 30 V
Max. output current (typ.) TTL 24 V-logic open-drain open-drain with intern. 5 V supply	HIGH 15 mA 22 mA 	<i>LOW</i> 0.7 A 0.7 A 0.7 A 20 mA	external inverse diode needed with inductive load
Output voltage TTL 24 V-logic (U <sub>ext</sub> = 24 V)	HIGH >3.5 V >23 V	<i>LOW</i> 0.5 * I <sub>low</sub> 0.5 * I <sub>low</sub>	with load current: $I_{high} = 15 \text{ mA}, I_{low} \le 0.7 \text{ A}$ $I_{high} = 22 \text{ mA}, I_{low} \le 0.7 \text{ A}$
Internal supply voltage available at contacts	5 V, 10 isola	60 mA ated	per 8-bit group; VCC_int = 5 V
Switching time	<16	5 µs	