

DI2-16 for imc CRONOS-SL (CRSL/DI2-16)

16 digital inputs

The plug-in module DI2-16 for imc CRONOS *compact* (or configuration module for CRONOS-SL) provides sampling of digital inputs having TTL/CMOS or 24 V logic levels. The level can be set separately for each group of eight inputs. The groups are jointly isolated from the system.

Overview of the available variants

Order Code	article no.	Remarks
CRSL/DI2-16-D	11800xxx	with DSUB-15 sockets

Included accessories

Documents
Getting started with imc CRONOS <i>compact</i> & imc CRONOS-SL (one copy per delivery / system)
Device certificate

Optional accessories

IP65 DSUB-15 plugs		
ACC/DSUBM-DI4-8-IP65	15-pin DSUB plug for each 8 bits	13500221

Technical Specs - CRSL/DI2-16

Parameter	Value typ.	min. / max.	Remarks
Channels	16		groups of 4 Bit with common ground reference, galvanic isolation between groups
Input voltage level	TTL 24 V		configurable globally for 8 Bit at DSUB using the "LEVEL" pin: "LEVEL": Jumper to "LCOM" "LEVEL": unconnected
Input configuration	differential		groups of 4 Bit galvanic isolation between groups of 4 Bit
Isolation strength	±150 V		to system ground (housing, CHASSIS, PE) and between groups of 4 Bit (tested ±200 V)
Switching time HIGH-LOW LOW-HIGH	34 µs 3 µs	130 µs 30 µs	edge detection; over entire temperature range
Additional system delay	typ. 400 µs ±100 µs		delay from input transition to changing state available in imc Online FAMOS
Input current		max. 500 µA	
Switching threshold TTL (5 V) 24 V	$V_{Lmax} = 0.8 V$ $V_{Lmax} = 5.0 V$	$V_{Hmin} = 2.0 V$ $V_{Hmin} = 8.0 V$	
Internal supply voltage, available at user pin "HCOM"	5 V max. 100 mA		isolated reference ground of both "HCOM" and "LEVEL" is "LCOM"
Terminal connection	DSUB-15 / 8 Bit		ACC/DSUBM-DI4-8