

MVP-Metall, 8xM12, 5pole, M23 19pol. con. connector exit frontside

8-way, 5-pole, DIAGNOSTIC
M23 plug connection
19-pole used

Image

Vicarious picture

Contact layout

Contact 1	(+)
Contact 2	Port 1...7: (N/O)/(S2); Port 8: diagnostic
Contact 3	(-)
Contact 4	(N/O)/(S1)
Contact 5	(Earth)
LED display	LED (green): Power LED (yellow): Signal (S1/S2) LED (red): Error

Technical Data

Operating voltage	24 V DC, (EN 61131-2)
Current consumption module	max. 35 mA
Diagnostic output	active high, max. load 25 mA, M23 - PIN 18
Total current	max. 10 A
Housing	zinc die casting, matte nickel plated
Protection	IP65, IP67, IP68 when plugged and screwed down (EN 60529)
Temperature range	-20...+60 °C

Technical data M12 port

Operating current (contact 3)	max. 0.5 A (shutoff 0.7...0.9 A)
Inrush capacity	max. 1470 µF
Short-circuit and overload protection	switched positive
Required power supply with max. ports	>= 10 A
Locking of ports	Screw thread M12 × 1 mm

Description

All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-resetting). Operating voltage remains the same. In case of a fault the DIAGNOSTIC signal ?active high? to the PLC (M23 PIN 18) drops from 18 V DC to 24 V. The operator can immediately react by analysing the diagnostic signal. - less downtime - easy trouble-shooting due to red LED ?ERROR? and red LED at the plug position.

General data

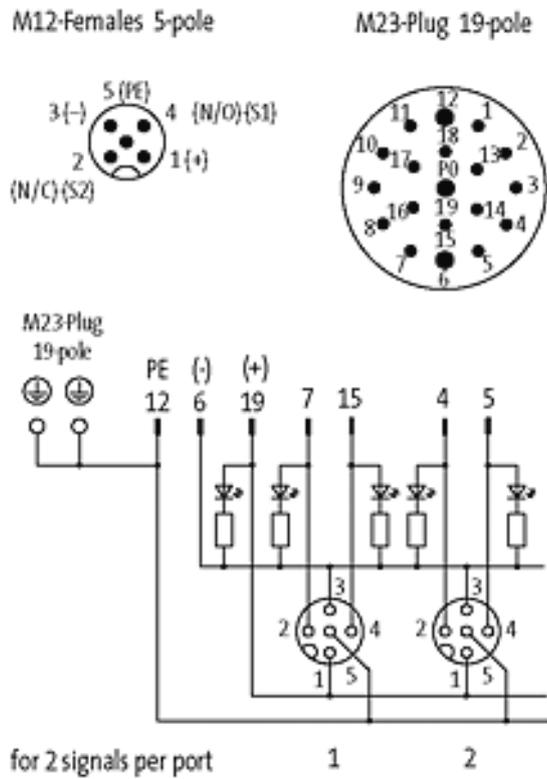
LED displays - module	LED (green): P1 and P2; LED (red): ERROR for optical diagnostics
LED display per port	LED (yellow): contact 4 and 2; 2 × LED (red): for failure

All data on this data sheet was compiled carefully.

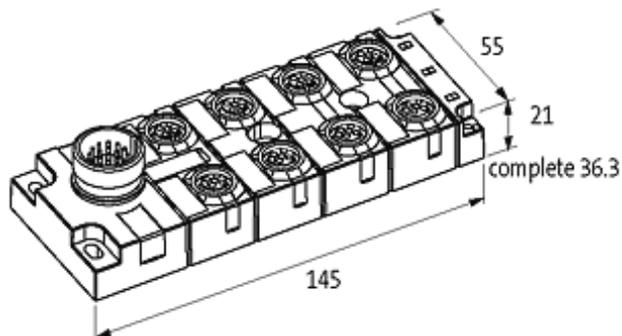
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Commercial data	
Net weight	200
Net weight	200
Weight unit	gram
Basic unit	pc.
Customs tariff number	85369010
Unit (piece)	1
Limited value	1
Accessories	
	Art.-No.
V2A-baseplate MVP Metal 8-port	996066
Earth connection set MVP Metal	996064
Grounding strip 4mm ² 100mm for M3 Tinned copper	4000-71001-0410003
Grounding strip accessories Screwing set M3	4000-71003-0101403

Contact layout



Dimension drawing



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