



MVK METAL COMPACT I/O MODULES FOR DEMANDING REQUIREMENTS

- Tough and reliable
- Safe (safety circuits according to EN 13849-1 up to PLe)
- PROFINET – versions compliant with AIDA

MAXIMUM FLEXIBILITY

MVK Metal features a robust metal housing and is extremely resistant to vibration, media, and weld splatter.

- Double valves occupy only one M12 port
- PROFINET versions with Fast Start Up (< 500 ms)
- Models with multi-functional I/Os
- Fewer variations required, minimizes inventory costs
- Maximum flexibility for expansions

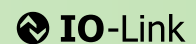
DON'T LOOK FOR ERRORS, FIND THEM

MVK Metal's diagnostic options offer detailed information about the type and location of the failure or the error.

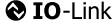
- Only the affected port shuts down, not the whole module
- Detailed message sent to controls and device LED
- Minimizes downtime – failures are fixed faster



EtherNet/IP™



MVK Metal I/O Modules

 MVK-MP • Multifunctional I/Os • Digital I/Os • Safety outputs • Analog I/Os  Page 4.4.1	 MVK-MPNIO • Multifunctional I/Os • Digital I/Os • Push Pull • IO-Link • Safety inputs/outputs    Page 4.4.6
 MVK-ME • Multifunctional I/Os • IO-Link   Page 4.4.14	 MIRO BT • Bluetooth Master/Slave  Page 4.4.16

Expanded diagnostic

– 7/8"

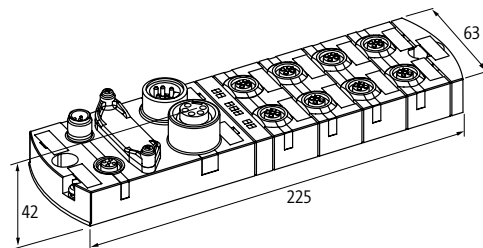


Approvals: UL US
Listed

MVK-MP



Order Data	Art-No.	Art-No.	Art-No.
DI8 (DI8)	55307		
DIO8 (DI8)		55308	
DIO8 (DIO8)			55309
Connections			
Fieldbus	PROFIBUS 12 Mbit/s; M12, B-coded		
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A		
I/O ports	M12, 5-pole, A-coded		
PROFIBUS			
Addressing	Rotary switch 1...99		
Input			
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected		
Type	for 3-wire sensors or mechanical switches, PNP		
Output			
Actuator supply UA	–	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	–	max. 1.6 A (short-circuit and overload protected)	
Lamp load	–	10 W	
Parameterization			
PIN 4	Input	Input/Output	
PIN 2	Input/Diagnostic		Input/Output/Diagnostic
General data			
Protection	IP67		
Mounting method	2-hole screw mounting		
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)		
Dimension drawing			



Notes

MVK METAL

Expanded diagnostic

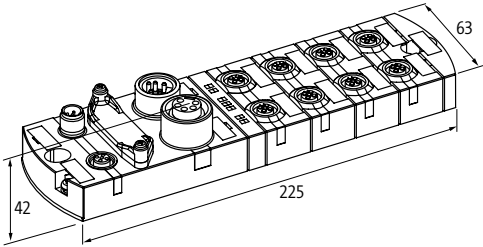
– 7/8"



MVK-MP



Order Data	Art-No.	Art-No.
DO8 (DO8)	55290	
DO4 (DO4) DI4 (DI4)		55274
Connections		
Fieldbus	PROFIBUS 12 Mbit/s; M12, B-coded	
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A	
I/O ports	M12, 5-pole, A-coded	
PROFIBUS		
Addressing	Rotary switch 1...99	
Input		
Sensor supply US	–	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	–	for 3-wire sensors or mechanical switches, PNP
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)	
Dimension drawing		



Notes

MVK METAL

Expanded diagnostic

- passive safety
- Output groups up to PLd (EN ISO 13849-1) can be switched off via safety relays

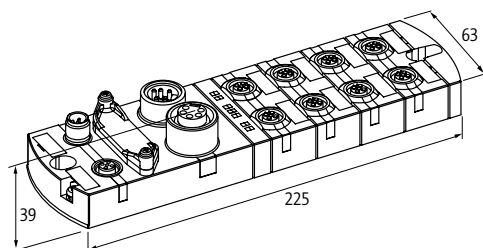
PROFIBUS

Approvals:  UL US
Listed

MVK-MP Safety



Order Data	Art-No.
K3 DO4 (DO4) DIO4 (DIO4)	55291
Connections	
Fieldbus	PROFIBUS 12 Mbit/s; M12, B-coded
I/O ports	M12, 5-pole, A-coded
Sensor-system/actuator supply	7/8", 5-pole, max. 9 A, safe circuits (1 + 2) via separate 7/8" supply (yellow), 2-pole disconnectable
PROFIBUS	
Addressing	Rotary switch 1...99
Input	
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP
Output	
Actuator supply UA	24 V DC (EN 61131-2), 3 circuits, (max. 9 A)
Switching current per output	max. 1.6 A (short-circuit and overload protected)
Lamp load	10 W
Safe output	
Switching current by safe output	max. 2 A short-circuit and overload protected, (EN13849-1) PLd
M12-(yellow) PIN 4	2 safety circuits (UA1/UA2) with 2 digital outputs each (EN13849-1) PLd
M12-(yellow) PIN 2	2 safety circuits (UA1/UA2) with 2 digital outputs each (EN13849-1) PLd
Parameterization	
PIN 4	4 × input/output
PIN 2	4 × Input/Output/Diagnostic
General data	
Protection	IP67
Mounting method	2-hole screw mounting
Temperature range	0...+55 °C (storage temperature -20...+70 °C)
Dimension drawing	



Notes

MVK METAL

Expanded diagnostic

– Analog outputs

– Current

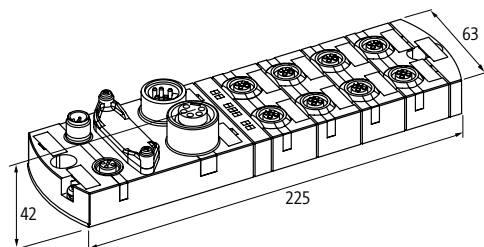


Approvals: UL US
Listed

MVK-MP



Order Data	Art-No.
AO4 (I) DIO4 (DIO4)	55292
Connections	
Fieldbus	PROFIBUS 12 Mbit/s; M12, B-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A
I/O ports	M12, 5-pole, A-coded
PROFIBUS	
Addressing	Rotary switch 1...99
Input	
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP
Output	
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A
Switching current per output	max. 1.6 A (short-circuit and overload protected)
Lamp load	10 W
Input range (analog)	0...20 mA, 4...20 mA (0...10 V via adapter Art-No. 7000-42252-0000000)
Conversion time (analog)	1 ms
General data	
Protection	IP67
Mounting method	2-hole screw mounting
Temperature range	0...+55 °C (storage temperature -20...+70 °C)
Dimension drawing	



Notes

MVK METAL

Expanded diagnostic

– Analog inputs

– Voltage

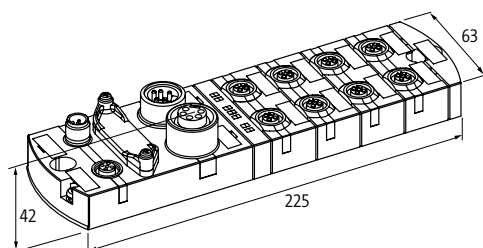


Approvals:  Listed

MVK-MP



Order Data	Art-No.
AI4 (U) DIO4 (DIO4)	55293
Connections	
Fieldbus	PROFIBUS 12 Mbit/s; M12, B-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A
I/O ports	M12, 5-pole, A-coded
PROFIBUS	
Addressing	Rotary switch 1...99
Input	
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP
Resolution (analog)	16 Bit
Input range (analog)	0...10 V, (0...20 mA and 4...20 mA via adapter Art.-No. 7000-42251-0000000)
Input resistor (analog)	approx. 1 MOhm, differential input
Conversion time (analog)	1 ms
Output	
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A
Lamp load (8×M12 left)	max. 1.6 A (short-circuit and overload protected)
Lamp load	10 W
General data	
Protection	IP67
Mounting method	2-hole screw mounting
Temperature range	0...+55 °C (storage temperature -20...+70 °C)
Dimension drawing	



Notes

MVK METAL

Galvanic isolation K3

– POF Push Pull

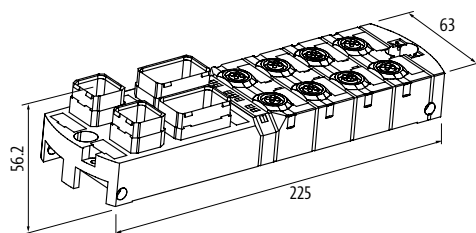


Approvals: US
Listed

MVK+ MPNIO POF



Order Data	Art-No.	Art-No.
D18 D18 IRT	55254	
D18 DO8 IRT		55255
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; 2 × SCRJ45 POF-Push Pull	
Sensor-system/actuator supply	Power plug, Push Pull, max. 12 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
FSU (Fast-Start-Up)	max. 500 ms	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	III	
Specification	V2.2, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	–	24 V DC (EN 61131-2), max. 12 A
Switching current per output	–	max. 2 A (short-circuit and overload protected)
Lamp load	–	10 W
Parameterization		
PIN 4	Input	Input (port 4...7); Output (port 0...3)
PIN 2	Input	Input (port 4...7); Output (port 0...3)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	0...+55 °C (storage temperature -20...+70 °C)	
Dimension drawing		



Notes

Galvanic isolation K3

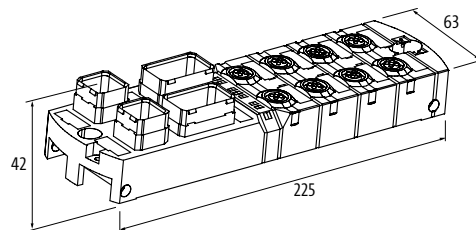
– Push Pull



MVK+ MPNIO



Order Data	Art-No.	Art-No.
DI8 DI8 IRT	55528	
DI8 DO8 IRT		55529
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector	
Sensor-system/actuator supply	Power plug, Push Pull, max. 12 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
FSU (Fast-Start-Up)	max. 500 ms	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	III	
Specification	V2.2, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	–	24 V DC (EN 61131-2), max. 12 A
Switching current per output	–	max. 2 A (short-circuit and overload protected)
Lamp load	–	10 W
Parameterization		
PIN 4	Input	Input (port 4...7); Output (port 0...3)
PIN 2	Input	Input (port 4...7); Output (port 0...3)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	0...+55 °C (storage temperature -20...+70 °C)	
Dimension drawing		



Notes	
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MVK METAL

Galvanic isolation K3

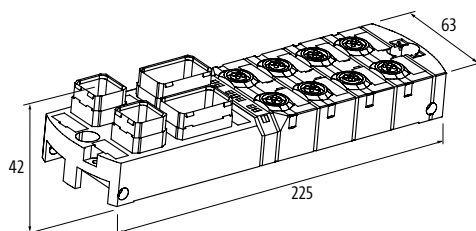
– Push Pull



MVK+ MPNIO



Order Data		Art-No.
DIO8 (DIO8)		55283
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector	
Sensor-system/actuator supply	Power plug, Push Pull, max. 12 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Specification	V2.2, Conformance Class B	
MRP	yes	
Addressing	DCP	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 12 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
Parameterization		
PIN 4	Input/Output	
PIN 2	Input/Output/Diagnostic	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	0...+55 °C (storage temperature -20...+70 °C)	
Dimension drawing		



Notes

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Galvanic isolation K3

– FSU (Fast-Start-Up)

– 7/8"

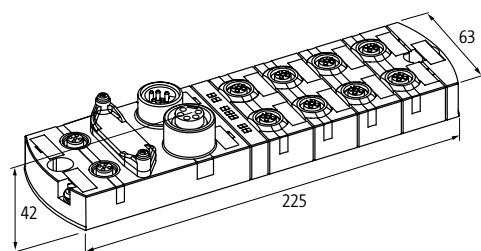


Approvals: UL
Listed

MVK+ MPNIO



Order Data	Art-No.
DO8 (DI4 DI4)	55339
Connections	
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded
Sensor-system/actuator supply	7/8", 5-pole, max. 9 A, protection against reverse polarization
I/O ports	M12, 5-pole, A-coded
PROFINET	
FSU (Fast-Start-Up)	max. 500 ms
Specification	V2.2, Conformance Class B
MRP	yes
Addressing	DCP
Input	
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP
Output	
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A
Switching current per output	max. 2 A (short-circuit and overload protected)
Lamp load	10 W
Parameterization	
PIN 4	Input (port 4...7); Output (port 0...3)
PIN 2	Input (port 4...7); Output (port 0...3)
General data	
Protection	IP67
Mounting method	2-hole screw mounting
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)
Dimension drawing	



MVK Metal

Notes

MVK METAL

FSU (Fast-Start-Up)

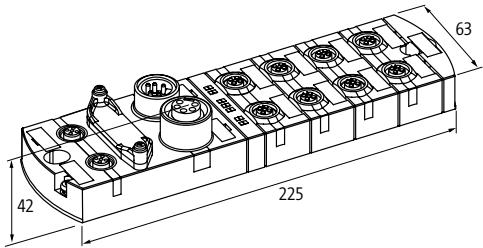
– 7/8"



MVK-MPNIO



Order Data		Art-No.
DIO16 IRT		55530
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
FSU (Fast-Start-Up)	max. 500 ms	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	III	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
Parameterization		
PIN 4	Input/Output (port X0...X7)	
PIN 2	Input/Output (port X0...X7)	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-25...+60 °C (storage temperature -25...+70 °C)	
Dimension drawing		



Notes

FSU (Fast-Start-Up)

– 7/8"

PROFINET **IO-Link**

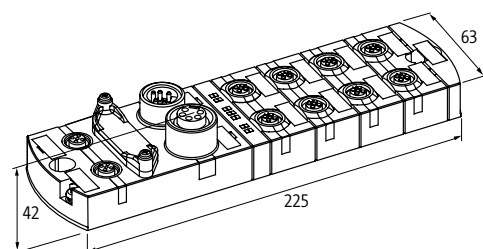
MVK-MPNIO IO-Link



MVK-MPNIO IO-Link



Order Data	Art-No.	Art-No.
DIO14 IOL2 IRT	55531	
DIO12 IOL4 IRT		55532
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
FSU (Fast-Start-Up)	max. 500 ms	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	III	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
IO-Link		
IO-Link	2 × Master	4 × Master
Operating modes	COM1; COM2; COM3 (automatic)	
Transfer parameters	32 Byte (via IO-Link Port)	
Port class	Class B (not galvanically separated)	Class A + B (not galvanically separated)
Specification	IO-Link Master V1.12	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
Parameterization		
PIN 4	Input (port X0...X7); Output (port X0...X5); IO-Link Master (port X6, X7)	Input (port X0...X7); Output (port X0...X3); IO-Link Master (port X4...X7)
PIN 2	Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X6, X7)	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-25...+60 °C (storage temperature -25...+70 °C)	
Dimension drawing		



Notes	
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MVK METAL

Active safety

- safe inputs/outputs up to cat.4/PLe (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)



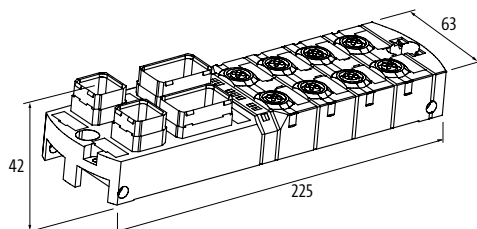
Approvals: UL US Listed

MVK-MPNIO Safety

Push Pull



Order Data	Art-No.	Art-No.
DI16/8 F	55562	
DI8/4 F DO4		55563
Safety Indicators		
PL	up to e	
Category	up to 4	
PFH	1.70E-9	1.653E-9
DC	98%	
SIL	up to 3	
SIL CL	up to 3	
Service life	20 years	
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector	
Sensor-system/actuator supply	Power plug, Push Pull, max. 12 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Shared Device/Input	yes, for 2 controls	
Specification	V2.2, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
Safety input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (PIN 1+5), short-circuit and overload protected, or max. 700 mA for only one PIN	
Type	for electronic sensors or mechanical switches	
Safe output		
Actuator supply UA	–	24 V DC (EN 61131-2), max. 9 A
Switching current by safe output	–	max. 2 A (short-circuit and overload protected)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+55 °C (storage temperature -40...+70 °C)	
Dimension drawing		



Notes

MVK METAL

Active safety

- safe inputs/outputs up to cat.4/PLe (EN ISO 13849-1), up to SIL3 (IEC 61508), up to SILCL3 (IEC 62061)



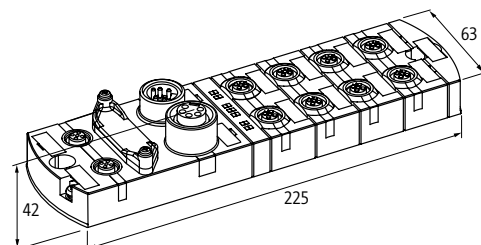
Approvals:  UL US Listed

MVK-MPNIO Safety

7/8"



Order Data	Art-No.	Art-No.
DI16/8 F IRT	55556	
DI8/4 F DO4 IRT		55557
Safety Indicators		
PL	up to e	
Category	up to 4	
PFH	1.70E-9	1.653E-9
DC	98%	
SIL	up to 3	
SIL CL	up to 3	
Service life	20 years	
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Shared Device/Input	yes, for 2 controls	
Specification	V2.2, Conformance Class C (IRT)	
MRP	yes	
Addressing	DCP	
Safety input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (PIN 1+5), short-circuit and overload protected, or max. 700 mA for only one PIN	
Type	for electronic sensors or mechanical switches	
Safe output		
Actuator supply UA	–	24 V DC (EN 61131-2), max. 9 A
Switching current by safe output	–	max. 2 A (short-circuit and overload protected)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+55 °C (storage temperature -40...+70 °C)	
Dimension drawing		



Notes	
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MVK METAL

Expanded diagnostic

– 7/8"

EtherNet/IP™

Approvals:  

MVK-ME

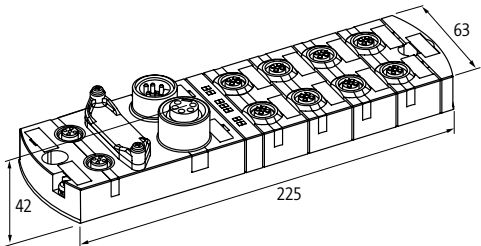
DIO8 (DIO8)
DLR (Device Level Ring)

MVK-ME

DIO16
DLR (Device Level Ring)



Order Data	Art-No.	Art-No.
DIO8 (DIO8)	55099	
DIO16		55542
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A	7/8", 4-pole, 2 × max. 9 A
I/O ports	M12, 5-pole, A-coded	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by rotary switch	DHCP, BOOTP or IP address by DIP switch
DLR (Device Level Ring)	yes	
QC (Quick Connect)	–	max. 360 ms
Multiple connections	–	yes
CIP Sync	–	yes
Composite Test Revision	–	CT14
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
Parameterization		
PIN 4	Input/Output (port X0...X7)	
PIN 2	Input/Output (port X0...X7)	
General data		
Protection	IP67	
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range	2-hole screw mounting
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)	-25...+60 °C (storage temperature -40...+85 °C)
Dimension drawing		



Notes

Expanded diagnostic

– 7/8"

EtherNet/IP  IO-Link

Approvals:  

MVK-ME IO-Link

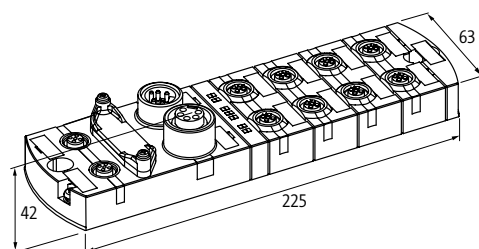
DIO14 IOL2
DLR (Device Level Ring)

MVK-ME IO-Link

DIO12 IOL4
DLR (Device Level Ring)



Order Data	Art-No.	Art-No.
DIO14 IOL2	55543	
DIO12 IOL4		55544
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	7/8", 4-pole, 2 × max. 9 A	
I/O ports	M12, 5-pole, A-coded	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by DIP switch	
QC (Quick Connect)	max. 360 ms	
Multiple connections	yes	
CIP Sync	yes	
Composite Test Revision	CT14	
DLR (Device Level Ring)	yes	
IO-Link		
IO-Link	2 × Master	4 × Master
Operating modes	COM1; COM2; COM3 (automatic)	
Transfer parameters	32 Byte (via IO-Link Port)	
Port class	Class B (not galvanically separated)	
Specification	IO-Link Master V1.12	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 1.6 A (short-circuit and overload protected)	
Lamp load	10 W	
Parameterization		
PIN 4	Input/Output (port X0...X7); IO-Link Master (port X6, X7)	Input/Output (port X0...X7); IO-Link Master (port X4...X7)
PIN 2	Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X6, X7)	Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X4...X7)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-25...+55 °C (storage temperature -40...+85 °C)	
Dimension drawing		



Notes	
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MVK METAL

Accessories for MVK PROFINET

– Wireless transmission

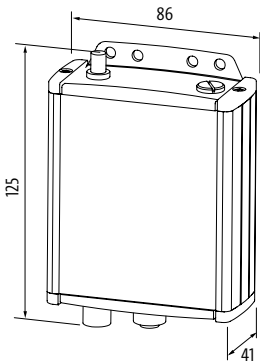


MIRO BT

Bluetooth Master/Slave
PROFINET



Order Data	Art-No.
Master/Slave	57018
Connections	
Fieldbus	Ethernet 10/100Mbit/s; M12, D-coded
Supply	M12, 5-pole, A-coded
Technical Data	
Operating voltage	24 V DC (EN 61131-2)
Operating current	max. 150 mA
Wireless technology	
Frequency	2.4 GHz Bluetooth
Transmission power	100 mW
No. of wireless slaves/devices	max. 4/max. 6
Coverage indoor	100 m
Coverage outdoor	300 m
Antenna connection	SMA (50 Ohm)
General data	
Standards	approved in: BE, DK, DE, EE, FI, FR (restricted), GR, GB, IE, IS, IT, CA, LV, LT, LU, MT, NL, NO (without Spitzbergen), AT, PL, PT, SE, CH, SK, SI, ES, CZ, HU, US, CY
Housing	Metal black
Protection	IP65
Mounting method	screw fixing, M4
Temperature range	-20...+60 °C (storage temperature -40...+75 °C)
Dimension drawing	



Notes

Blind Plug/caps			Art-No.
	Screw plug M12 x 1 mm Metal, hex, 1 piece		996049
	Blind cap 7/8" Metal		55390
	Blind plug diagnostic M12 x 1 mm Bridge PIN 1 and PIN 2		7000-13481-0000000
	Addressing cap Metal		55317
Labeling accessories			Art-No.
	Label plates 20 x 8 mm	(20 pieces per plate)	55318
Connection accessories			Art-No.
	Adapter Current /voltage converter Voltage/current converter		7000-42251-0000000 7000-42252-0000000
	MVK Push Pull Dust Protection Set		553260
	Ground strap 4 mm² 100 mm for screw (M4)		4000-71001-0410004
	Screw plug M23 Metal		55352
	Adapter plug M12/M12 for inputs		7030-42291-0000000

MVK METAL

Connection accessories			Art-No.
	T-coupler (Slim Line) Male straight - female/male straight M12 - M12, 4-pole for 8-pole units	AIDA conform Connection cable L = 200 mm	7030-42602-0000000
	T-coupler (Slim Line) Male straight - female/male straight M12 - M12, 2-pole	AIDA conform Connection cable L = 200 mm	7030-42612-0000000
	T-coupler (SlimLine) M12 - M12 5-pole		7000-41155-0000000
	Cable fixation 8xM12 Cable diameter (4...7 mm)		55554

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