

## MVK I/O COMPACT MODULE, METAL

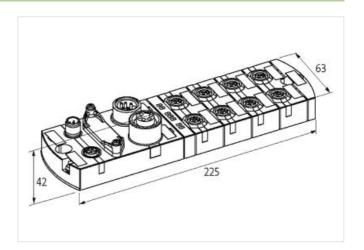
Profibus DP, 16 multifunction channels

Digital inputs/outputs DIO8 DIO8 PROFIBUS 12 Mbit/s; M12, B-coded 7/8", 5-pole, 2× max. 9 A M12, 5-pole, A-coded Connection cables are in the online shop under "Connection Technology". Housing fully potted.

## **Link to Product**

## Illustration





Product may differ from Image









Commercial data	
ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-8.0	27242604
ECLASS-9.0	27242604
ECLASS-10.1	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ETIM-5.0	2023-03-24 17:41:17
customs tariff number	85389099
GTIN	4048879051460
Packaging unit	1

Electrical data   Supply		
Norm operating voltage	EN 61131-2	
Operating voltage US DC	24 V	
Operating voltage UA DC	24 V	
Total current UA max.	9 A	

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stay connected

Per	Total current US max.	9 A
Short-circuit protected   PRP, For 3-wire sensors or mechanical switches	Electrical data   Input	
Sport circuit protected   yes	Overload resistant	ves
Spenior current US per input max.	Short-circuit protected	·
Sensor current US per input max	Type input	-
Overload resistant         yes           Short-circuity protected         yes           Output current per pin max.         1.8 A           Lamp load         10 W           Industrial communication I Bus data         1           Addriess range max.         99           Address range max.         99           Address safting type         Potary switch           Diagnostics         West of the communication of		0,2 A
Short-circuit protected	Electrical data   Output	
Short-circuit protected	Overload resistant	ves
Device protection   Electrical		
Lamp bad 10 W  Industrial communication   Bus data   Address range min. 1 Address range max. 99 Address setting type Rotary which  Diagnostics  Address range max. 99 Address setting type   Address setting type   Diagnostics   Diagnostic   Diagnostic   Diagnostic via BUS   Diagnostic via BUS   Diagnostic via BUS   Diagnostic via BUS   Diagnostic via EED   Diagnosti		·
Address range min.         1           Address range max.         99           Address settit type         Rotary switch           Diagnostics         No voltage. Under voltage           Diagnostic via BUS         per module and channel           Diagnosto via BUS         per module and channel           Diagnosto via LED         per module and channel           Short circuit diagnosis         yes           LED display         Elhemet connection/data traffic           Cable break         per port           Overload diagnosis         yes           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data         Stitable for mounting type           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic         Operating temperature min.           25 °C         Operating temperature min.           25 °C         Storage temperature max.         70 °C           Connection type 3         Bus in           Connection type 4         Power full           Connection type 4         Power full           Connection type 4		10 W
Address range min.         1           Address range max.         99           Address settit type         Rotary switch           Diagnostics         No voltage. Under voltage           Diagnostic via BUS         per module and channel           Diagnosto via BUS         per module and channel           Diagnosto via LED         per module and channel           Short circuit diagnosis         yes           LED display         Elhemet connection/data traffic           Cable break         per port           Overload diagnosis         yes           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data         Stitable for mounting type           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic         Operating temperature min.           25 °C         Operating temperature min.           25 °C         Storage temperature max.         70 °C           Connection type 3         Bus in           Connection type 4         Power full           Connection type 4         Power full           Connection type 4	Industrial communication   Bus data	
Address range max. 99 Address setting type Rotary switch    Diagnostics   Rotary switch   Rotary switch		1
Address soting type  Diagnostics  Actuator warning  Per channel via LED and BUS  Diagnostic via BUS  Diagnostic via BUS  Diagnostic via LED  Diagnostic via LED  Diagnostic via LED  Diagnostic via LED  Per module and channel  Diagnostic via LED  Per port  Cable break  Per port  Device protection [Electrical  Degree of protection [Electrical  Degree of protection (EN IEC 60529)  Mechanical data [Mounting data  Suitable for mounting type  2-hole screw mounting  Width  63 mm  Depth  42 mm  Environmental characteristics   Climatic  Operating temperature mia.  -25 °C  Operating temperature mia.  -25 °C  Operating temperature mia.  -25 °C  Storage temperature mia.  -70 °C  Connection type 5  Connection type 2  Bus In  Connection type 3  Bus Out  Connection type 3  Bus Out  Connection type 4  Power Out  Family construction form  M12  Gender  Iemale  Color contact carrier  Diack  Codding  A  No. of poles  FIN 1  24 V DC (US)  PIN 2  DI / DO / Diag  PIN 3  O V(US)		
Diagnostics		
Actuator warning per channel via LED and BUS Diagnostic No voltage, Under voltage Diagnostic via BUS per module and channel Diagnostic via LED per module and channel  Short circuit diagnosis per port  Overload diagnosis per port  Overload diagnosis per port  Degree of protection [Electrical Degree of protection (EN IEC 80529) IP67  Mechanical data   Mounting data  Suitable for mounting type 2-hole screw mounting Height 225 mm  Width 63 mm  Depth 42 mm  Environmental characteristics   Climatic  Doprating temperature min. 25 °C Operating temperature min. 25 °C Storage temperature max. 70 °C  Connection type 5  Connection type 1 4-7  Connection type 3 Bus in  Connection type 3 Bus Out Connection type 5 Power Out Family construction form M12 Gender female Color contact carrier black Coding A  No. of poles 5  FIN 1 24 V DC (US) FIN 2 DI / DO / Diag FIN 3 O V (US)		
Diagnostic         No voltage, Under voltage           Diagnostic via BUS         per module and channel           Diagnostic via LED         per module and channel           Short circuit diagnosis         yes           LED display         Ethernet connection/data traffic           Cable break         per port           Overload diagnosis         yes           Device protection   Electrical           Degree of protection (EN IEC 60829)         IP67           Mechanical data   Mounting data           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Storage temperature min.         -25 °C           Storage temperature max.         70 °C           Connection type 5           Connection type 1         4-7           Connection type 3         Bus In           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         Jenale		per channel vis LED and DUC
Diagnostic via BUS		· · · · · · · · · · · · · · · · · · ·
Diagnostic via LED		
Short circuit diagnosis         yes           LED display         Ethernet connection/data traffic           Cable break         per port           Overload diagnosis         yes           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.           25 °C           Operating temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5           Connection type 1         4-7           Connection type 3         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power In           Cender         female           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         24 V DC		·
LED display         Ethernet connection/data traffic           Cable break         per port           Overload diagnosis         yes           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.           -25 °C           Storage temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5           Connection type 1         4-7           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         24 V D		'
Cable break         per port           Overload diagnosis         yes           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data         Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm         Depth         42 mm           Environmental characteristics   Climatic         Consection type 1         -25 °C           Operating temperature min.         -25 °C         Consection type negreature min.         -25 °C           Storage temperature max.         70 °C         Connection type 5           Connection type 1         4-7         Connection type 2         Bus In           Connection type 3         Bus Out         Out         Connection type 4         Power In           Connection type 4         Power In         Connection type 5         Power Out           Family construction form         M12         Gender         female           Color contact carrier         black         Coding         A           No. of poles         5         PIN 1         24 V DC (US)         PIN 2         DI / DO / Diag         PIN 2         DI / DO / Diag         PIN 2         DI / DO / Diag         PIN 2		· · · · · · · · · · · · · · · · · · ·
Overload diagnosis         yes           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Mechanical data   Mounting data         Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5         Connection type 5           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		
Device protection   Electrical		
Degree of protection (EN IEC 60529)   IP67		
Mechanical data   Mounting data           Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5           Connection type 1         4-7           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         temale           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		UDAZ.
Suitable for mounting type         2-hole screw mounting           Height         225 mm           Width         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5         5           Connection type 1         4-7           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PiN 1         24 V DC (US)           PiN 2         DI / DO / Diag           PIN 3         0 V (US)		IP67
Height	Mechanical data   Mounting data	
Writth         63 mm           Depth         42 mm           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         55 °C           Storage temperature max.         70 °C           Connection type 5         Connection type 1           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		2-hole screw mounting
Depth		225 mm
Environmental characteristics   Climatic  Operating temperature min. Operating temperature max. 55 °C  Storage temperature min25 °C  Storage temperature max. 70 °C  Connection type 5  Connection type 1  Connection type 2  Bus In  Connection type 3  Bus Out  Connection type 4  Power In  Connection type 5  Power Out  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 24 V DC (US)  PIN 2  DI / DO / Diag  PIN 3  0 V (US)		
Operating temperature min.  Operating temperature max.  55 °C  Storage temperature min.  -25 °C  Storage temperature max.  70 °C   Connection type 5  Connection type 1  4-7  Connection type 2  Bus In  Connection type 3  Bus Out  Connection type 4  Power In  Connection type 5  Power Out  Family construction form  M12  Gender  Gender  female  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  24 V DC (US)  PIN 2  DI / DO / Diag  PIN 3  0 V (US)	Depth	42 mm
Operating temperature max.         55 °C           Storage temperature min.         -25 °C           Storage temperature max.         70 °C           Connection type 5	Environmental characteristics   Climatic	
Storage temperature min.   -25 °C	Operating temperature min.	-25 °C
Storage temperature max.   70 °C		55 °C
Connection type 5           Connection type 1         4-7           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Storage temperature min.	-25 °C
Connection type 1         4-7           Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Storage temperature max.	70 °C
Connection type 2         Bus In           Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Connection type 5	
Connection type 3         Bus Out           Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Connection type 1	4-7
Connection type 4         Power In           Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Connection type 2	Bus In
Connection type 5         Power Out           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)	Connection type 3	Bus Out
Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		Power In
Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		Power Out
Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		
Coding         A           No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		
No. of poles         5           PIN 1         24 V DC (US)           PIN 2         DI / DO / Diag           PIN 3         0 V (US)		
PIN 1 24 V DC (US) PIN 2 DI / DO / Diag PIN 3 0 V (US)	Coding	A
PIN 2         DI / DO / Diag           PIN 3         0 V (US)	No. of poles	5
PIN 3 0 V (US)	PIN 1	24 V DC (US)
	PIN 2	DI / DO / Diag
PIN 4 DI / DO		0 V (US)
	PIN 4	DI / DO

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PIN 5	PE
Family construction form	M12
Gender	male
Color contact carrier	black
Coding	В
No. of poles	5
PIN 1	n.c.
PIN 2	A GN
PIN 3	n.c.
PIN 4	B RD
PIN 5	n.c.
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	В
No. of poles	5
PIN 1	5 V 2
PIN 2	A GN
PIN 3	0 V 2
PIN 4	B RD
PIN 5	n.c.
Family construction form	7/8"
Gender	male
Color contact carrier	black
No. of poles	5
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)
Family construction form	7/8"
Gender	female
Color contact carrier	black
No. of poles	5
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)