

MASI20 I/O MODULE K3

4 digital inputs, 4 digital, passive safety outputs

Digital inputs/outputs

Safe outputs (Safety)

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

DI4 - 0.2 A DO4 - 0.5 A (AB) (K3)

Current manuals can be downloaded at: www.murrelektronik.com

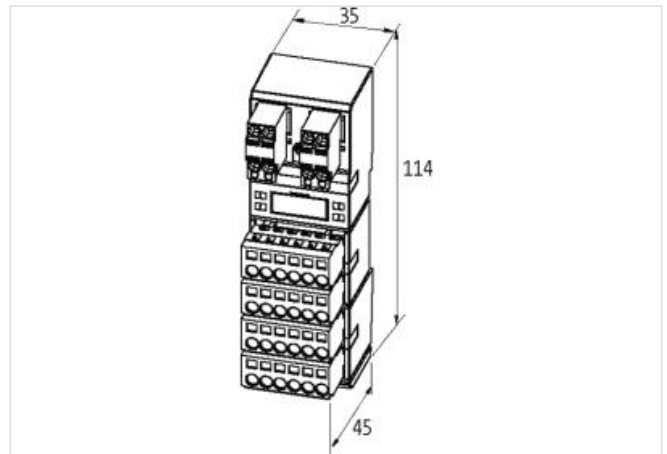
24 V DC (18...30.2 V DC) EN 61131-2 by additional supply, safely separated from input supply

[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	EC001599
customs tariff number	85176200
GTIN	4048879048781
Packaging unit	1

Electrical data | Supply

Operating voltage external DC min.	18 V
Operating voltage external DC max.	30 V
Bus voltage AS-Interface DC min.	26,5 V
Bus voltage AS-Interface DC max.	31,6 V
Current consumption AS-i port max.	300 mA

Total current max.	2 A
module supply	Via system connection or by additional feed-in
Electrical data Input	
Overload resistant	yes
Short-circuit protected	yes
Type input	PNP, for 3-wire sensors or mechanical switches
Input current max.	10 mA
Current carrying capacity max.	0,2 A
Electrical data Output	
Switch off time in case of short circuit	20 ms
Overload resistant	yes
Short-circuit protected	yes
Output current per pin max.	0,5 A
Industrial communication Bus data	
Address setting type	Addressing socket, Master
Slave address range	(0), 1 A...31 A, 1 B...31 B
Industrial communication AS-Interface	
Profile (IO.ID.ID2)	S-7.A.7
Diagnostics	
Diagnostic	No voltage
Diagnostic via LED	per module
LED display	Ethernet connection/data traffic
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Mechanical data Mounting data	
Mounting method	geschnappt
Suitable for mounting type	mounting rail, (EN 60715)
Height	114 mm
Width	37 mm
Depth	32 mm
Environmental characteristics Climatic	
Operating temperature min.	0 °C
Operating temperature max.	60 °C
Storage temperature min.	-20 °C
Storage temperature max.	70 °C
Connection type 6	
Connection type 1	Asi Bus
Connection type 2	Ext. Us Pwr In
Connection	Screw terminals SK
Family construction form	terminal
Gender	male
Color contact carrier	green
No. of poles	2
PIN 1	A -
PIN 2	A +
Connection	Screw terminals SK
Family construction form	terminal
Gender	male
Color contact carrier	green
No. of poles	2
PIN 1	0 V

PIN 2	24 V DC
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	0 V A
PIN 2	0 V A
PIN 3	0 V A
PIN 4	0 V A
PIN 5	0 V A
PIN 6	0 V A
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	0 V S
PIN 2	0 V S
PIN 3	0 V S
PIN 4	0 V S
PIN 5	US
PIN 6	US
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	I 0
PIN 2	I 1
PIN 3	I 2
PIN 4	I 3
PIN 5	US
PIN 6	US
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	O 0
PIN 2	O 1
PIN 3	O 2
PIN 4	O 3
PIN 5	UA
PIN 6	UA