

MASI20 I/O MODULE K3

4 digital inputs, 4 digital, passive safety outputs

Art.No.: 56475

Weight: 0.110 kg

Country of origin: SG

Model designation: MASI20 DI4/0,15A DO4/2,0A K3

Digital inputs/outputs

DI4 - 0.15 A DO4 - 2 A (K3)

Safe outputs (Safety)

passive safety

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

Standard-Slave

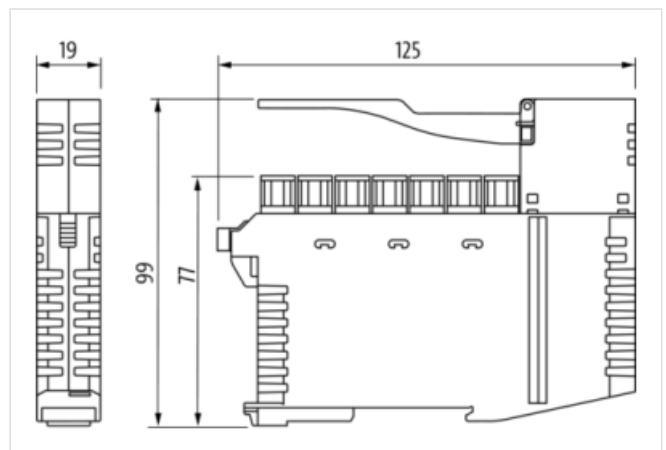
Protection IP20

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

24 V DC (20...30 V DC) EN 61131-2 by additional supply, safely separated from input supply

Link to Product**Illustration**

Product may differ from Image

**Commercial data**

URL Webshop	https://shop.murrelektronik.com/56475
GTIN	4048879705257
EU-Customs tariff number	85176200
US-Customs tariff number	8517620090
ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604
ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604

ECLASS-10.1	27242604
ECLASS-11.0	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
ETIM-5.0	EC001599
ETIM-6.0	EC001599
ETIM-7.0	EC001599
ETIM-8.0	EC001599
customs tariff number	85176200
EAN	4048879705257
Packaging unit	1

Electrical data | Supply

Total current max.	4 A
Operating voltage external DC min.	12 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.	190 mA
module supply	Via system connection or by additional feed-in

Electrical data | Input

Input current max.	5,6 mA
Current carrying capacity max.	0,15 A
Short-circuit protected	Yes
Overload resistant	Yes
Type input	for 3-wire sensors or mechanical switches, PNP

Electrical data | Output

Output current per pin max.	2 A
Overload resistant	Yes
Short-circuit protected	Yes
Switch off time in case of short circuit	20 ms

Industrial communication | Bus data

Address setting type	Addressing socket, Master
Slave address range	(0), 1 ...

Industrial communication | AS-Interface

Profile (IO.ID.ID2)	S-7.0.E
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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
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Mechanical data | Mounting data

Height	125 mm
Width	19 mm
Depth	99 mm
Mounting method	geschnappt
Suitable for mounting type	(EN 60715), mounting rail

Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	70 °C
Derating	60 °C
Ambient temperature (storage, transport)	-25 °C ... 85 °C

Connection type 3

Connection type 1	Asi Bus
Connection type 2	I / O
Connection type 3	Power
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	yellow
Connection	Spring clamp terminals FK
PIN 25	AS-i +
PIN 26	AS-i +
PIN 27	AS-i -
PIN 28	AS-i -
Family construction form	terminal
No. of poles	20
Gender	female
Color contact carrier	black
Connection	Spring clamp terminals FK
PIN 1	I 1
PIN 2	I 2
PIN 3	I 3
PIN 4	I 4
PIN 5	I -
PIN 6	I -
PIN 7	I -
PIN 8	I -
PIN 9	I +
PIN 10	I +
PIN 11	I +
PIN 12	I +
PIN 13	O 1
PIN 14	O 2
PIN 15	O 3
PIN 16	O 4
PIN 17	O -
PIN 18	O -
PIN 19	O -
PIN 20	O -
Family construction form	terminal
No. of poles	4
Gender	female
Color contact carrier	gray
Connection	Spring clamp terminals FK
PIN 21	AUX +
PIN 22	AUX +
PIN 23	AUX -
PIN 24	AUX -