MICO67 Standard electronic circuit protection, 4-channels, 6A

IN: 24 V DC OUT: 24 V DC / 6 A / M12-L / Alarm + Reset

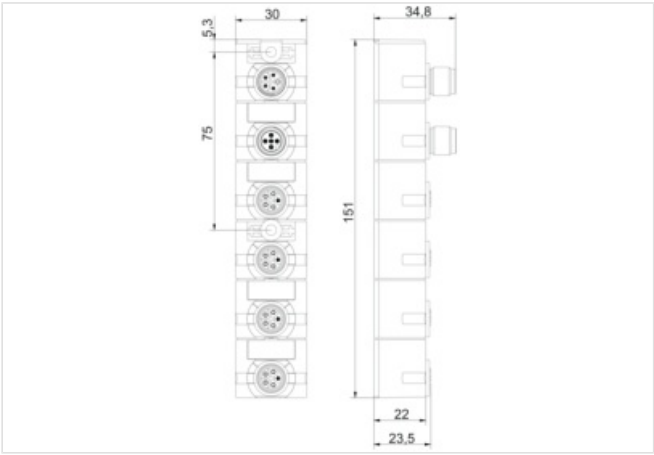
Art.No.: 9000-41014-0600070
Weight: 0,173 kg
Country of origin: DE
Model designation: MICO67-Standard-4.6

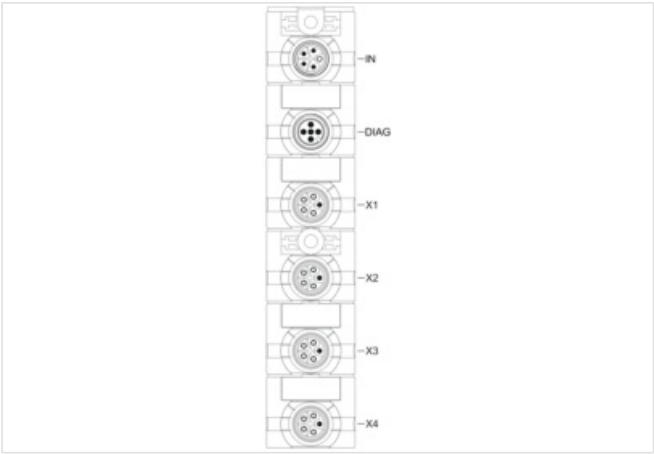
Mico67 is the perfect electronic overcurrent protection solution for decentralized installations in IP67 protection class. MICO67 is designed for reliable protection of actuators, sensors, DC motors, lighting, fieldbus modules, and also serves as circuit protection. These modules find application in various industries such as mechanical engineering, intralogistics, automotive, packaging, vision systems, and more.

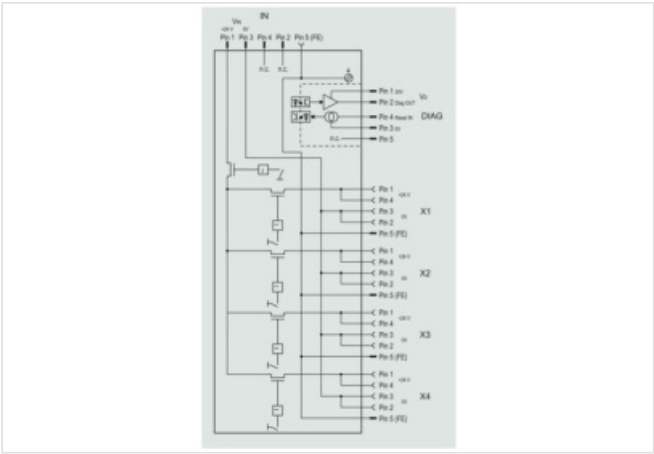
Link to Product

Illustration

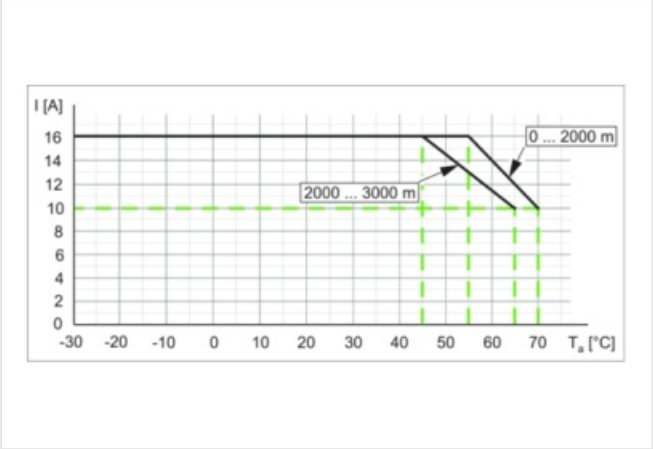








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Product may differ from Image

Commercial data	
URL Webshop	https://shop.murrelektronik.com/9000-41014-0600070
GTIN	4065909115626
EU-Customs tariff number	85363010
US-Customs tariff number	8536308000
ECLASS-6.0	27371802
ECLASS-6.1	27371802
ECLASS-7.0	27371802
ECLASS-8.0	27371802
ECLASS-9.0	27371802
ECLASS-10.1	27371802
ECLASS-11.1	27371802
ECLASS-12.0	27371802
ETIM-5.0	EC001440
customs tariff number	85363010
EAN	4065909115626
Packaging unit	1
Electrical data | Supply	
Operating voltage type	DC
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating current max.	16 A
Open-circuit current	35 mA
Total current monitoring	16 A
Tolerance total current monitoring	0 … +10 %
Electrical data | Input	
Input voltage Low	min. 0 V … max. 5 V @ Reset IN
Input voltage High	min. 11 V … max. 30 V @ Reset IN
Debouncing time	20 ms @ Reset IN
Switching current	max. 2 A @ DIAG OUT
Electrical data | Output	
Voltage type	DC

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Output voltage DC	24 V
Output voltage DC min.	18 V
Output voltage DC max.	30 V
Tolerance shutdown characteristic	max. 9 %
Voltage drop DC max.	0.1 V
Cooling time after overload	5 s
Switch-on capacity max.	15 mF
Switching elements	Semiconductor switch
Tripping current DC	min. 6 A
Efficiency at load	99.5 % @ 50 %
Diagnostics	
Status indication LED	red, green, yellow
LED display	Operating voltage, Device state, power supply
Device protection | Electrical	
Installation height max. ASL	3000 m
Degree of protection (EN IEC 60529)	IP65, IP67
Protection class (EN IEC 61140)	III
Additional condition protection class	Power supply must comply with SELV or PELV
Invers-polarity protection	No
Pollution Degree	3
Short circuit protection sensor supply	Yes
Rated surge voltage	0.8 kV
Galvanic separation	Yes
Overvoltage protection (input - output)	suppressor diode 36 V
Overvoltage protection device supply	ensure by a power supply
Device protection | Mechanical	
Free fall (EN 61131-2)	0.3 m
Shock resistance (EN IEC 60068-2-27)	50 g 11 ms
Vibration resistance (EN IEC 60068-2-6)	0,75 mm (5 ... 58 Hz), 15 g (58 ... 500 Hz), XYZ-Axis
Device protection | Media	
Flame resistance	flame retardant
Mechanical data | Material data	
housing	PBT, PC
Color housing	black
Mechanical data | Mounting data	
Net weight	186 g
Height	151 mm
Width	30 mm
Depth	34.8 mm
Mounting method	screwed
Environmental characteristics | Electromagnetic compatibility	
Interference emission	EN IEC 61000-6-3
Immunity to interference	EN IEC 61000-6-2
Environmental characteristics | Climatic	
Ambient temperature (operation)	-30 °C … 70 °C
Derating	min. 55 °C
Ambient temperature (storage, transport)	-30 °C … 70 °C
Relative humidity (operation)	0 % … 95 %
Relative humidity (storage, transport)	max. 95 %
Technical Data | Reliability	

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MTTF (EN/IEC 61709, EN ISO 13849-1, SN 29500)	139 a @ 40 °C

Environmental product conformity	
REACH ((EC) 1907/2006)	compliant
REACH SVHC ((EC) 1907/2006)	Lead (Pb) CAS 7439-92-1
RoHS (2011/65/EU, (EU) 2015/863)	compliant
RoHS-Exemption (2011/65/EU)	6(c), 7(a), 7(c)-I
China RoHS (SJ/T 11364, GB/T 26572)	EFUP-25
California Proposition 65	compliant
WEEE (2012/19/EU)	Category 5
Halogen content	not halogen-free
Lead-free	No

Conformity	
Product standard	EN IEC 61000-6-2, EN IEC 61000-6-4
CE	2014/30/EU, 2011/65/EU
UKCA	The Electromagnetic Compatibility Regulations 2016, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Approvals	
UL Listed (US, CA)	E201820

Connection type 3-3	
Connection type 1	X1
Connection type 2	DIAG
Connection type 3	X1-X4
Family construction form	M12
No. of poles	5
Coding	L
Gender	male
PIN 1	24 V DC 16 A (VIN)
PIN 2	n.c.
PIN 3	0 V (VIN)
PIN 4	n.c.
PIN 5	FE
Family construction form	M12
No. of poles	5
Coding	A
Gender	male
PIN 1	24 V DC (VD)
PIN 2	DIAG OUT
PIN 3	0 V (VD)
PIN 4	Reset IN
PIN 5	n.c.
Family construction form	M12
No. of poles	5
Coding	L
Gender	female
PIN 1	24 V DC ≤ 6 A
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC ≤ 6 A
PIN 5	FE

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