

Active controlled rectifier

22,5 mm spring clamp

Art.No.: 50003

Weight: 0.100 kg

Country of origin: CZ

Model designation: Active controlled rectifier

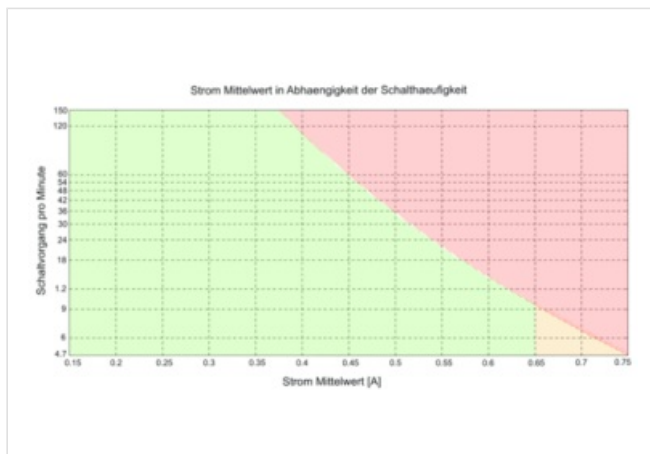
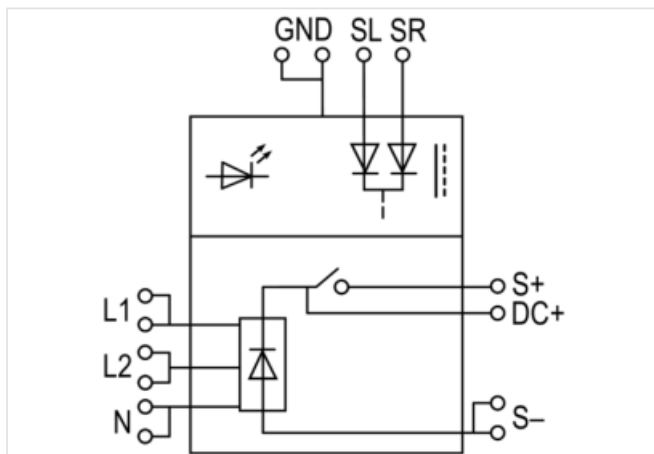
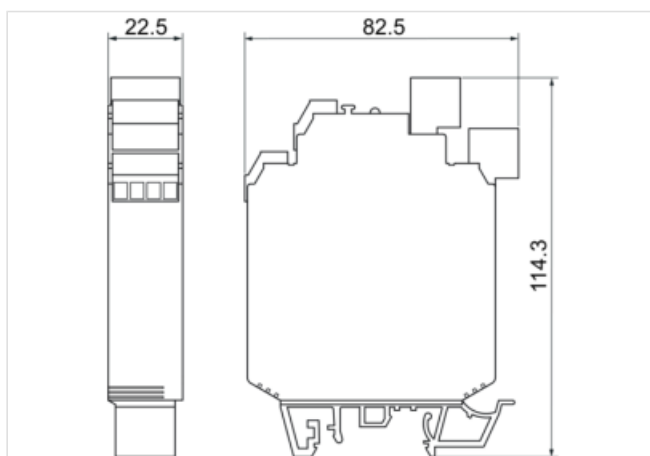
24 V DC (ON: > 16 V DC; OFF: < 12 V DC)

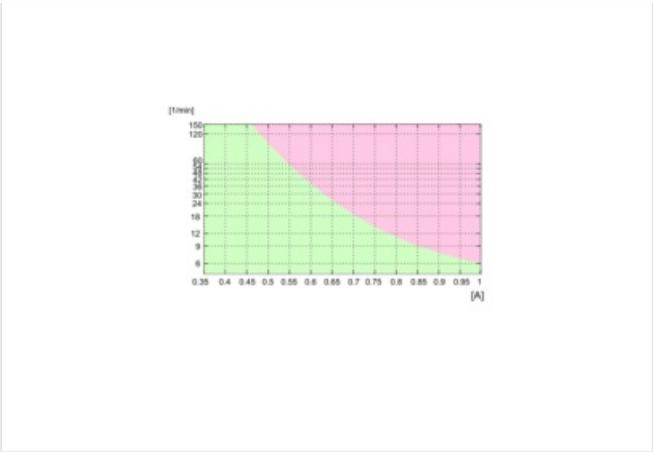
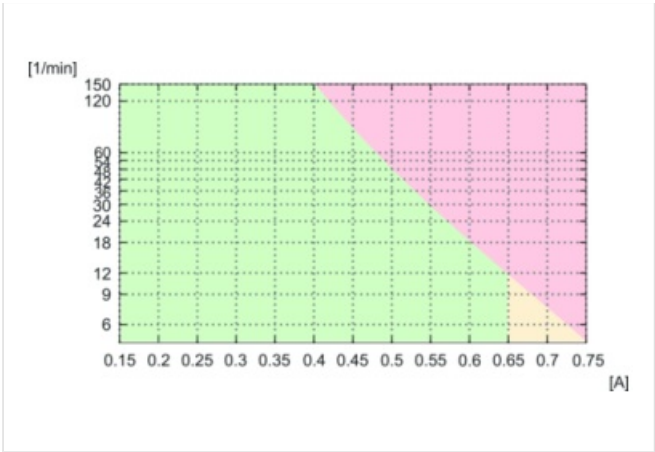
OUTPUT: 180, 205, 215 V DC

Spring clamp terminals

Link to Product

Illustration





Product may differ from Image



Commercial data	
Manufacturer name	Murrelektronik GmbH
Manufacturer address	Grabenstraße 29, 71570 Oppenweiler, GERMANY
URL Webshop	https://shop.murrelektronik.com/50003
GTIN	4048879404150
EU-Customs tariff number	85044083
US-Customs tariff number	8504409550
Intended use	For professional use only, Indoor use only
Suitable for outdoor use	No
ECLASS-6.0	27371604
ECLASS-6.1	27040390
ECLASS-7.0	27040390
ECLASS-7.1	27040390
ECLASS-8.0	27040390
ECLASS-8.1	27040390
ECLASS-9.0	27040390
ECLASS-9.1	27040390
ECLASS-10.0.1	27040390
ECLASS-10.1	27040390
ECLASS-11.0	27040390
ECLASS-11.1	27040390
ECLASS-12.0	27040390
ECLASS-13.0	27040390
ECLASS-14.0	27040390
ETIM-5.0	EC001504
ETIM-6.0	EC001504
ETIM-7.0	EC001504
ETIM-8.0	EC001504
ETIM-9.0	EC001504
ETIM-10.0	EC001504
Contents per packing unit	1
customs tariff number	85044083
EAN	4048879404150
Packaging unit	1

Electrical data | Supply

Power frequency	50/60 Hz
Network form	star

Electrical data | Input

Voltage type input	AC
Nominal input voltage AC	230 V ... 400 V
Input voltage 3 AC	480 V
Control voltage IN DC min.	16 V
Input voltage OFF DC max.	12 V
Current input AC max.	0,8 A
Leakage current max.	10 mA
Control voltage DC min.	0 V
Control voltage DC max.	30 V
Control current	18 mA
Power loss	3,3 W

Electrical data | Output

Output voltage	205 V DC (230 V AC); 180 V DC (400 V AC); 215 V DC (480 V AC)
Output current max.	0,75 A
Measuring method output current max.	peak value
Switching frequency max.	2,5 Hz
Power loss	3,3 W
Output current in parallel operation max.	max. 1.100 mA
Measuring method output current in parallel operation max.	peak value

Diagnostics

Status indication LED	green
LED display	Control voltage applied

Device protection | Electrical

Installation height max. ASL	2.000 m
Degree of protection (EN IEC 60529)	IP20
Short-circuit protected	No
Pollution Degree	2
Overcurrent protection external	Motor protection switch max. 6.3 A, tested with PKZM01-6,3
Reverse polarity protection (Control input)	Yes
Rated surge voltage	2,5 kV
Rated insulation voltage (Main circuit - earth)	300 V
Rated insulation voltage (Control circuit - main circuit)	500 V

Mechanical data | Material data

housing	PC
Color housing	black

Mechanical data | Mounting data

Net weight	100 g
Height	82,5 mm
Width	22,5 mm
Depth	114,3 mm
Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35-15, (EN 60715)

Environmental characteristics | Climatic

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage, transport)	-25 °C ... 55 °C
Relative humidity (operation)	5 % ... 85 %

Additional condition temperature range	no dew formation
--	------------------

Assembly location	Interior
-------------------	----------

Technical Data | Reliability

MTTF (EN/IEC 61709, EN ISO 13849-1, SN 29500)	442 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)	keine RoHS-Ausnahme, 7(c)-I
China RoHS (SJ/T 11364, GB/T 26572)	EFUP-20
California Proposition 65	compliant
WEEE (2012/19/EU)	Category 5
Halogen-free-Material	not halogen-free
Pb-free-Material	No

Conformity

Product standard	EN IEC 60947-4-3
CE	2014/30/EU, 2011/65/EU, 2014/35/EU
UKCA	The Electromagnetic Compatibility Regulations 2016, The Electrical Equipment (Safety) Regulations 2016, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Approvals

UL Listed (US, CA)	E205946
--------------------	---------

Connection type 4

Connection type 1	X1
Connection type 2	X2
Connection type 3	X3
Connection type 4	X4
Family construction form	terminal
No. of poles	4
Gender	female
Connection	Spring clamp terminals FK
PIN 1	L 1
PIN 2	L 1
PIN 3	N
PIN 4	N
Family construction form	terminal
No. of poles	4
Gender	female
Connection	Spring clamp terminals FK
PIN 1	S -
PIN 2	NC
PIN 3	L 2
PIN 4	L 2
Family construction form	terminal
No. of poles	3
Gender	female
Connection	Spring clamp terminals FK
PIN 1	DC +
PIN 2	S +
PIN 3	S -
Family construction form	terminal
No. of poles	8

Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	SL
PIN 2	SL
PIN 3	SR
PIN 4	SR
PIN 5	0 V
PIN 6	0 V
PIN 7	0 V
PIN 8	0 V