## Limit switch box SRBK-CA5-YR90-R-2A-1W-C2

Part number: 8182186





General operating condition

## **Data sheet**

As per EU EMC directive As per EU low voltage directive As per EU now totage directive And So now to Eurociton totage now As per EU now totage directive As per EU now totage directive As per EU now totage directive And So now to Eurociton and As per EU now totage now to Eurociton and As per EU now totage now to EU now to Eurociton and As per EU now totage now to EU now to	Feature	Value
As per EU low voltage directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive JUKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions To UK instructions for electrical equipment Decrificate issuing authority Eurocert. SIL202587141  Note on materials RoHS-compliant Safety integrity level (SIL) SIL 3  Measured variable Position Measuring principle Magnetic reed Magnetic reed Measuring principle	Certification	c CSA us (OL)
To UK RoHS Instructions To UK instructions for electrical equipment Eurocert. SIL202587141 Note on materials RoHS-compliant Safety integrity level (SIL) SIL 3  Measured variable Position Measuring principle Magnetic reed Odeg 90 deg Ambient temperature Odeg 90 deg Ambient evend Odeg 90 d	CE marking (see declaration of conformity)	As per EU low voltage directive
Note on materials  RoHS-compliant  Safety integrity level (Sit)  Measuring principle  Measuring principle  Measuring principle  Magnetic reed  Sensing range  Odeg 90 deg  Ambient temperature  -20 °C 70 °C  Switching output  Contact-based  Switching element function  Toggle switch, single-pin  Max. output current AC  180 mA  Max. output current DC  250 mA  Max. switching capacity AC  S VA  Max. switching capacity AC  Operating voltage range  O V 120 V  Operating voltage range  O V 175 V  Microswitch type  Hamlin 59140-030  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, design  Rectangular  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  On flange as per ISO 5211  Mounting position  Any  Product weight Housing colour	UKCA marking (see declaration of conformity)	To UK RoHS instructions
Safety integrity level (SIL)  Measured variable  Measuring principle  Magnetic reed  Sensing range  O deg 90 deg  Ambient temperature  -20 °C 70 °C  Switching output  Contact-based  Switching element function  Toggle switch, single-pin  Max. output current AC  180 mA  Max. output current DC  250 mA  Min. switching capacity AC  Min. switching capacity AC  Operating voltage range AC  Operating voltage range AC  Operating voltage range  Ov 175 V  Microswitch type  Hamlin 59140-030  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Operating woltage ape ape ISO 5211  Mounting position  Any  Product weight  Housing colour	Certificate issuing authority	Eurocert. SIL202587141
Measured variable Measuring principle Measured Mea	Note on materials	RoHS-compliant
Measuring principle Sensing range O deg 90 deg Ambient temperature -20 °C 70 °C Switching output Contact-based Switching element function Toggle switch, single-pin Max. output current AC Max. output current DC Sowitching capacity AC Max. switching capacity AC Sowitching capacity DC Soperating voltage range AC Operating voltage range OV 120 V Operating voltage range OV 175 V Microswitch type Hamlin 59140-030 Electrical connection 1, connection type Terminal strip Electrical connection 1, cable outlet Straight Electrical connection 1, design Rectangular Electrical connection 1, connection technology Screw terminal Electrical connection 1, number of pins/wires Dimensions W x L x H Type of mounting Mounting position Product weight Housing colour  Magnetic reed  Ang Magnetic reed  Ang Magnetic reed  Odeg 90 deg  Ambient temperature  20 °C 70 °C  Contact-based  Switch, single-pin  Magnetic reed  Operating vol deg  Any  Product weight Housing colour	Safety integrity level (SIL)	SIL 3
Sensing range  O deg 90 deg  Ambient temperature  -20 °C 70 °C  Contact-based  Switching output  Contact-based  Toggle switch, single-pin  Max. output current AC  180 mA  Max. output current DC  250 mA  Min. switching capacity AC  Min. switching capacity AC  S VA  Max. switching capacity DC  Operating voltage range AC  OV 120 V  Operating voltage range  OV 175 V  Microswitch type  Hamlin 59140-030  Electrical connection  Screw terminal  Electrical connection 1, connection type  Terminal strip  Electrical connection 1, cable outlet  Straight  Electrical connection 1, connection technology  Screw terminal  Electrical connection 1, connection technology  Screw terminal  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Closable nomining on the defining  May 1.5  Offinensions W x L x H  119 mm x 85 mm x 89 mm  Fype of mounting  Mounting position  Any  Product weight  Housing colour	Measured variable	Position
Ambient temperature -20 °C 70 °C Switching output Contact-based Switching element function Toggle switch, single-pin Max. output current AC 180 mA Max. output current DC 250 mA Min. switching capacity AC Max. switching capacity AC Switching voltage range AC OV 120 V Oberating voltage range AC OV 175 V Microswitch type Hamlin 59140-030 Electrical connection Screw terminal Electrical connection 1, connection type Terminal strip Electrical connection 1, cable outlet Straight Electrical connection 1, connection technology Screw terminal Electrical connection 1, unmber of pins/wires 10 Closable nominal conductor cross-section 0.25 mm² 2.5 mm² Closable nominal conductor cross-section 0.25 mm x 85 mm x 89 mm Viype of mounting Mounting position Any Product weight Housing colour	Measuring principle	Magnetic reed
Switching output  Contact-based  Fow itching element function  Toggle switch, single-pin  Max. output current AC  180 mA  Max. output current DC  250 mA  Min. switching capacity AC  Max. switching capacity DC  Deparating voltage range AC  OV 120 V  Deparating voltage range  OV 175 V  Microswitch type  Hamlin 59140-030  Electrical connection  Screw terminal  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  I0  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Eable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  For of mounting  Mounting position  Any  Product weight  Housing colour  Black	Sensing range	0 deg 90 deg
Switching element function  Max. output current AC  Max. output current DC  Max. output current DC  Max. switching capacity AC  Max. switching capacity AC  Max. switching capacity DC  Deparating voltage range AC  OV 120 V  Decoperating voltage range  OV 175 V  Microswitch type  Hamilin 59140-030  Electrical connection  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Electrical connection 1  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  For pe of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  Housing colour	Ambient temperature	-20 ℃ 70 ℃
Max. output current AC  Max. output current DC  Min. switching capacity AC  Max. switching capacity DC  Deparating voltage range AC  O V 120 V  O coperating voltage range  Microswitch type  Hamlin 59140-030  Electrical connection  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, cable outlet  Electrical connection 1, connection 1, connection type  Electrical connection 1, connection 5  Electrical connection 1, con	Switching output	Contact-based
Max. output current DC  Min. switching capacity AC  Max. switching capacity DC  Departing voltage range AC  O V 120 V  Oc operating voltage range  O V 175 V  Microswitch type  Hamlin 59140-030  Electrical connection  Screw terminal  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Straight  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Screw terminal  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  Mounting position  Any  Product weight  Housing colour  Black	Switching element function	Toggle switch, single-pin
Min. switching capacity AC  Max. switching capacity DC  Departing voltage range AC  OV 120 V  DC operating voltage range  OV 175 V  Microswitch type  Electrical connection  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, design  Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Electring  M20X1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Froduct weight  Housing colour  Black	Max. output current AC	180 mA
Max. switching capacity DC Departing voltage range AC Do operating voltage range OV 175 V Microswitch type Hamlin 59140-030 Electrical connection Electrical connection 1, connection type Terminal strip Electrical connection 1, cable outlet Electrical connection 1, cable outlet Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, design Electrical connection 1, connection technology Screw terminal Electrical connection 1, number of pins/wires 10 Closable nominal conductor cross-section 0.25 mm² 2.5 mm² Electrical connection W x L x H 119 mm x 85 mm x 89 mm Five of mounting On flange as per ISO 5211 Mounting position Any Product weight Housing colour Black	Max. output current DC	250 mA
Operating voltage range AC OC operating voltage range OV 175 V  Microswitch type Hamlin 59140-030 Electrical connection Screw terminal Electrical connection 1, connection type Terminal strip Electrical connection 1, able outlet Straight Electrical connection 1, design Rectangular Electrical connection 1, connection technology Screw terminal Electrical connection 1, number of pins/wires 10 Closable nominal conductor cross-section 0.25 mm² 2.5 mm² Clable fitting Dimensions W x L x H 119 mm x 85 mm x 89 mm Type of mounting On flange as per ISO 5211 Mounting position Any Product weight Housing colour Black	Min. switching capacity AC	5 VA
OC operating voltage range  OV 175 V  Microswitch type  Electrical connection  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, design  Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour	Max. switching capacity DC	5 W
Hamlin 59140-030  Electrical connection  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Closable nominal conductor cross-section  Closable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  Mounting position  Any  Product weight  360 g  Housing colour	Operating voltage range AC	0 V 120 V
Electrical connection Screw terminal  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour	DC operating voltage range	0 V 175 V
Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, design  Rectangular  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  O.25 mm² 2.5 mm²  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  Mounting position  Any  Product weight  Housing colour  Terminal strip  Terminal str	Microswitch type	Hamlin 59140-030
Electrical connection 1, cable outlet  Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  In y mm x 85 mm x 89 mm  Type of mounting  Mounting position  Any  Product weight  Housing colour  Electrical connection 1, connection technology  Screw terminal  10  0.25 mm² 2.5 mm²  M20x1.5  119 mm x 85 mm x 89 mm  On flange as per ISO 5211  Any  Black	Electrical connection	Screw terminal
Electrical connection 1, design  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  In y mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  Housing colour  Rectangular  Screw terminal  0.25 mm² 2.5 mm²  M20x1.5  Il 9 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  Black	Electrical connection 1, connection type	Terminal strip
Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour	Electrical connection 1, cable outlet	Straight
Electrical connection 1, number of pins/wires  10  Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  119 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour  Black	Electrical connection 1, design	Rectangular
Closable nominal conductor cross-section  Cable fitting  M20x1.5  Dimensions W x L x H  I19 mm x 85 mm x 89 mm  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour  Black	Electrical connection 1, connection technology	Screw terminal
Cable fitting M20x1.5 Dimensions W x L x H 119 mm x 85 mm x 89 mm Type of mounting On flange as per ISO 5211 Wounting position Any Product weight 360 g Housing colour Black	Electrical connection 1, number of pins/wires	10
Dimensions W x L x H  Type of mounting  On flange as per ISO 5211  Mounting position  Any  Product weight  360 g  Housing colour  Black	Closable nominal conductor cross-section	0.25 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Type of mounting On flange as per ISO 5211  Mounting position Any  Product weight 360 g  Housing colour Black	Cable fitting	M20x1.5
Mounting position Any Product weight 360 g Housing colour Black	Dimensions W x L x H	119 mm x 85 mm x 89 mm
Product weight 360 g Housing colour Black	Type of mounting	On flange as per ISO 5211
Housing colour Black	Mounting position	Any
	Product weight	360 g
Housing material PA	Housing colour	Black
	Housing material	PA

Feature	Value
Seals material	NBR
Shaft material	PA
Material of screws	Stainless steel
Material of mounting bracket	PA PA
Circlip material	High-alloy stainless steel
Protective cap material	PC
Switching status indication	Optical
Position indicator	Yellow/red
Angle detection setting range	0 deg 90 deg
Storage temperature	-20 °C 50 °C
Degree of protection	IP66 IP67
Protection class	II .
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3