LAWSON FUSES

PART OF Lucy

PRODUCT INFORMATION

Features

- Lawson AC Isolation Switches are compact and easy to install
- Padlocking of Lever in the off position
- Excellent Insulating properties
- Each Unit is supplied with screwed conduit plugs and reducers for easy connection to 20mm and 25mm conduits
- Screw Caps must be Installed to ensure the IP rating
- High Impact resistant base and cover ensure safety during and after installation
- Metal Structure mounting by covering the base mounting screws with insulating caps

Range
16A to 63A
250V – AC & 440V AC

Execution
Double Pole (2P)
Three Pole (3P)
Four Pole (4P)

Specifications
IEC 60947-3
BSEN 60947-3

Protection Category – IP66

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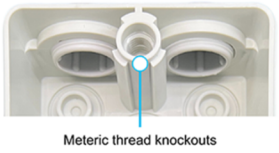
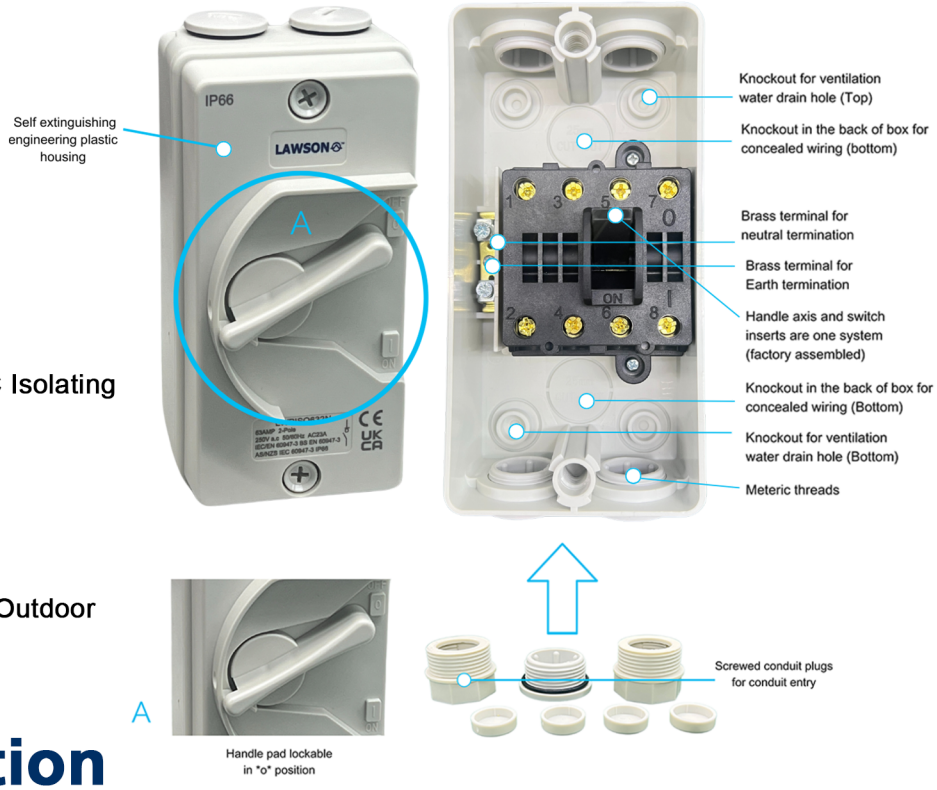
PRODUCT INFORMATION

Installation

Easy installation is one of the key features and benefits offered by Lawson Fuses. Cable entry knockouts are provided at the top and bottom of the enclosure. They are suitable for use with any standard range of cable/conduit accessories.

Each unit is supplied with two adaptors for convenience of installation. Caps for mounting screws are supplied to enhance the weatherproof feature.





Application

Designed to 60947-3, the Lawson AC Isolating Switches are suitable for purpose of:

- Isolating
- Switching ON & OFF on-load
- Emergency switching
- Functional switching
- Suitable to be mounted indoor and Outdoor

Safety instruction

Switch off and isolate main power supply before carrying out installation of the switch. These products must be installed by a competent person e.g. qualified electrician in accordance with the relevant wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.

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PRODUCT INFORMATION

Technical Data

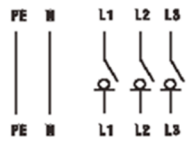
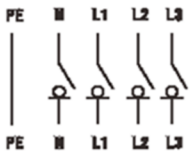
According to IEC60947-3, EN60947-3, AS/NZS 60947-3

Application		LWPISO20	LWPISO35	LWPISO63
Standard		IEC 60947-3	IEC 60947-3	IEC 60947-3
Rated Operational Current	Ie	20	35	63
Number Of Poles		2,3,4	2,3,4	2,3,4
Function		I-O	I-O	I-O
Ambient Temperature	°C	-5 To + 40	-5 To + 40	-5 To + 40
Interrupting Medium		Air	Air	Air
Utilization Category		AC22A	AC22A	AC22A
Rated Operational Voltage	Ue	250V (2P) 415V 3P,4P	250V (2P) 415V 3P,4P	250V (2P) 415V 3P,4P
Rated Frequency	Hz	50/60	50/60	50/60
Rated Insulation Voltage	Ui	250V (2P) 415V 3P,4P	250V (2P) 415V 3P,4P	250V (2P) 415V 3P,4P
Terminal Capacity Flexible Type mm^2	mm^2	1.5-2.5	1.5-2.5	1.5-2.5
Terminal Capacity rigid Type mm^2	mm^2	1.5-2.5	1.5-2.5	1.5-2.5
Rated Short-Time Making Capacity		0.76 for 1 s	0.76 for 1 s	0.76 for 1 s
Rated Conditional Short-Circuit Current	(Icw)	1.5kA	1.5kA	1.5kA
Rated Impulse Withstand Voltage	(Uimp)	2.5 KV	2.5 KV	2.5 KV
Overvoltage Category		II	II	II
Degree of Protection	(IP)	IP66	IP66	IP66
Pollution Degree		3	3	3
Tightening Torque	Nm	2.5	2.5	2.5
Contact Opening Type		Normal Gap	Normal Gap	Normal Gap
Switch Actuating Method		Manual Operation	Manual Operation	Manual Operation
Method of mounting		Surface	Surface	Surface
Type of Terminal		Screw Type	Screw Type	Screw Type
Type of Enclosure		Enclosed	Enclosed	Enclosed
Material		Engg. Plastic	Engg. Plastic	Engg. Plastic

Terminals / Connection

Type	LWPISO
Terminal Designation	1,2,3,4 - 1,2,3,4,5,6 - 1,2,3,4,5,6,7,8
Number Of Poles	2,3,4
Type Of Terminal	1.5-2.5 mm^2
Type of Conductor	Flexible or Rigid
Number Of Conductors / Terminal	1

Contacts Wiring Diagram

Type	LWPISO		
Pole	2P	3P	4P
Rated Operational Current	20A , 35A, 63A	20A , 35A, 63A	20A , 35A, 63A
Contacts Wiring Diagram			

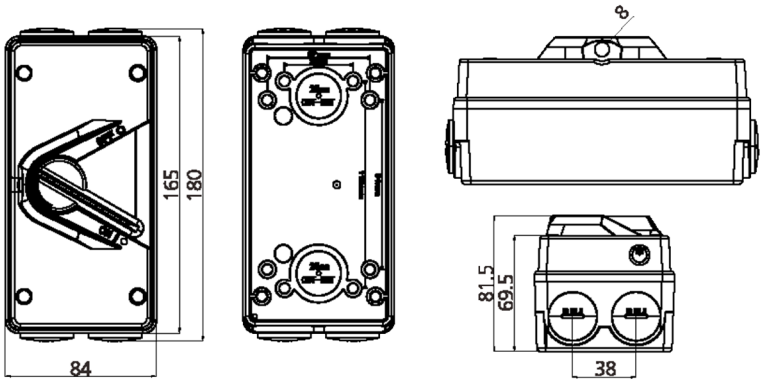
LAWSON FUSES PART OF Lucy

PRODUCT INFORMATION

Structure

2Pole 440V (20A, 35A, 63A)	3Pole 440V (20A, 35A, 63A)	4Pole 440V (20A, 35A, 63A)

Dimensions



Part Numbers

	20A	35A	63A
2 Pole	LWPISO202N	LWPISO352N	LWPISO632N
3 Pole	LWPISO203N	LWPISO353N	LWPISO633N
4 Pole	LWPISO204N	LWPISO354N	LWPISO634N