

590.EL10005

SWITCH DISCONNECTOR
100A 4P(3P+N) IP66/IP69
160x220x115mm Y4 IK09 HIGH
VISIBILITY YELLOW/RED LOCKABLE
ON-OFF GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-isolators-tp series is engineered for high visibility applications, featuring a durable construction of engineering plastic. With a handle of yellow/red for enhanced visibility, this device supports a rated current of 100A and operates efficiently at 100A in AC23A (415V). It offers superior protection with an IP66/IP69 rating and an impact resistance of IK09, ensuring resilience in demanding environments. Configured with 4P(3P+N) poles and a Y4 switch size, it operates at a rated voltage of 690V. Key features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, a reversible base, and late break and early make neutral pole.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	100A
Poles	4P(3P+N)
Switch size	Y4
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	125A
Current (Ie) in AC21A (415V)	125A
Current (Ie) in AC21A (500V)	125A
Current (Ie) in AC21A (690V)	125A
Current (Ie) in AC22A (415V)	100A
Current (Ie) in AC22A (500V)	100A
Current (Ie) in AC22A (690V)	100A
Current (Ie) in AC23A (415V)	100A
Current (Ie) in AC23A (500V)	63A
Current (Ie) in AC23A (690V)	63A
Power AC23A (415V)	45kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	100A
Terminals - Flexible wires	10-50mm ²
Terminals - Rigid wires	10-50mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,5Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE3214**SWITCH DISCONNECTOR**

32A 4P IP66/IP69 110x150x87mm Y1
IK09 GENERAL GREY/BLACK GW
650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 32A and operates at a rated voltage of 690V, with a current (Ie) of 32A in AC23A (415V). The switch disconnectors is configured with 4P poles and a Y1 switch size, ensuring robust performance. It offers a high protection degree of IP66/IP69 and an impact resistance of IK09, suitable for demanding environments. Notable features include a surface mounting version, a reversible base, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	32A
Poles	4P
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) in AC21A (415V)	40A
Current (Ie) in AC21A (500V)	32A
Current (Ie) in AC21A (690V)	32A
Current (Ie) in AC22A (415V)	32A
Current (Ie) in AC22A (500V)	32A
Current (Ie) in AC22A (690V)	32A
Current (Ie) in AC23A (415V)	32A
Current (Ie) in AC23A (500V)	25A
Current (Ie) in AC23A (690V)	25A
Current (Ie) in AC3 (415V)	25A
Current (Ie) in AC3 (690V)	18A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	15kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	32A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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Instruction manual

■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE2015

SWITCH DISCONNECTOR
20A 4P(3P+N) IP66/IP69
110x150x87mm Y1 IK09 GENERAL
GREY/BLACK GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnecter isolators-tp series is engineered for industrial applications, featuring a durable engineering plastic construction. With a handle of grey/black for professional aesthetics, this device carries a rated current of 20A and operates efficiently at 20A in AC23A (415V). It offers a high protection degree of IP66/IP69 and an impact resistance IK09, ensuring resilience in demanding environments. The switch disconnecter is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y1 switch size, operating at a rated voltage of 690V. Notable features include a reversible base, door interlock, padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, blank side with drilling point marks, and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	4P(3P+N)
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) in AC21A (415V)	25A
Current (Ie) in AC21A (500V)	25A
Current (Ie) in AC21A (690V)	25A
Current (Ie) in AC22A (415V)	20A
Current (Ie) in AC22A (500V)	20A
Current (Ie) in AC22A (690V)	20A
Current (Ie) in AC23A (415V)	20A
Current (Ie) in AC23A (500V)	20A
Current (Ie) in AC23A (690V)	20A
Current (Ie) in AC3 (415V)	18A
Current (Ie) in AC3 (690V)	12A
Current (Ie) in DC22A (250V)	25A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	11kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	20A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C

Protection degree IK	IK09
Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE16005.SN

SWITCH DISCONNECTOR
160A 3P+SN IP66/IP69
240x340x137mm Y5 IK09 GENERAL
GREY/BLACK SN (WITH NEUTRAL
LINK) GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 160A and operates at 160A in AC23A (415V). The switch disconnectors offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. Configured with 3P+SN poles and an unswitched neutral, it operates at a rated voltage of 690V. Notable features include a surface mounting version, a reversible base, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The device also includes blank side drilling point marks and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	160A
Poles	3P+SN
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) in AC21A (415V)	160A
Current (Ie) in AC21A (500V)	160A
Current (Ie) in AC21A (690V)	160A
Current (Ie) in AC22A (415V)	160A
Current (Ie) in AC22A (500V)	160A
Current (Ie) in AC22A (690V)	125A
Current (Ie) in AC23A (415V)	160A
Current (Ie) in AC23A (500V)	125A
Current (Ie) in AC23A (690V)	125A
Power AC23A (415V)	75kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm ²
Terminals - Rigid wires	10-70mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE16005

SWITCH DISCONNECTOR
160A 4P(3P+N) IP66/IP69
240x340x137mm Y5 IK09 GENERAL
GREY/BLACK GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable engineering plastic construction. With a handle of grey/black for professional aesthetics, this device carries a rated current of 160A and operates efficiently at 160A in AC23A (415V). It offers a high protection degree of IP66/IP69 and an impact resistance IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y5 switch size, operating at a rated voltage of 690V. Notable features include a reversible base, door interlock, padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, blank side with drilling point marks, and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	160A
Poles	4P(3P+N)
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) in AC21A (415V)	160A
Current (Ie) in AC21A (500V)	160A
Current (Ie) in AC21A (690V)	160A
Current (Ie) in AC22A (415V)	160A
Current (Ie) in AC22A (500V)	160A
Current (Ie) in AC22A (690V)	125A
Current (Ie) in AC23A (415V)	160A
Current (Ie) in AC23A (500V)	125A
Current (Ie) in AC23A (690V)	125A
Power AC23A (415V)	75kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm ²
Terminals - Rigid wires	10-70mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE12505.SN

SWITCH DISCONNECTOR
125A 3P+SN IP66/IP69
240x340x137mm Y5 IK09 GENERAL
GREY/BLACK SN (WITH NEUTRAL
LINK) GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 125A and operates at a rated voltage of 690V, with a current (Ie) of 125A in AC23A (415V). The switch disconnectors is configured with 3P+SN poles and a Y5 switch size, offering a high protection degree of IP66/IP69 and impact resistance of IK09. Notable features include a surface mounting version, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The reversible base and unswitched neutral enhance its versatility.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	125A
Poles	3P+SN
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) in AC21A (415V)	160A
Current (Ie) in AC21A (500V)	160A
Current (Ie) in AC21A (690V)	160A
Current (Ie) in AC22A (415V)	125A
Current (Ie) in AC22A (500V)	125A
Current (Ie) in AC22A (690V)	125A
Current (Ie) in AC23A (415V)	125A
Current (Ie) in AC23A (500V)	125A
Current (Ie) in AC23A (690V)	125A
Power AC23A (415V)	55kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm ²
Terminals - Rigid wires	10-70mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.GE12505

SWITCH DISCONNECTOR
125A 4P(3P+N) IP66/IP69
240x340x137mm Y5 IK09 GENERAL
GREY/BLACK GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 125A and operates at a rated voltage of 690V, with a current (Ie) in AC23A (415V) of 125A. The switch disconnectors is configured with 4P(3P+N) poles and a Y5 switch size, ensuring reliable performance. It offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Notable features include a surface mounting version, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The device includes a reversible base and late break and early make neutral pole.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	125A
Poles	4P(3P+N)
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) in AC21A (415V)	160A
Current (Ie) in AC21A (500V)	160A
Current (Ie) in AC21A (690V)	160A
Current (Ie) in AC22A (415V)	125A
Current (Ie) in AC22A (500V)	125A
Current (Ie) in AC22A (690V)	125A
Current (Ie) in AC23A (415V)	125A
Current (Ie) in AC23A (500V)	125A
Current (Ie) in AC23A (690V)	125A
Power AC23A (415V)	55kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm ²
Terminals - Rigid wires	10-70mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL8005.SN**SWITCH DISCONNECTOR****80A 3P+SN IP66/IP69****160x220x115mm Y2 IK09 HIGH****VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU**■ GENERAL CHARACTERISTICS**

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 80A and operates efficiently at 67A in AC23A (415V). It supports a rated voltage of 250V and is configured with 3P+SN poles and an unswitched neutral (solid neutral terminal block), with a Y2 switch size. The device offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. Notable features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, a reversible base, and break-through cable entries on the bottom side base.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	3P+SN
Switch size	Y2
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) in AC21A (415V)	80A
Current (Ie) in AC21A (500V)	80A
Current (Ie) in AC21A (690V)	80A
Current (Ie) in AC22A (415V)	80A
Current (Ie) in AC22A (500V)	80A
Current (Ie) in AC22A (690V)	80A
Current (Ie) in AC23A (415V)	67A
Current (Ie) in AC23A (500V)	67A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	55A
Current (Ie) in AC3 (690V)	32A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	80A
Terminals - Rigid wires	10-35mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL8005**SWITCH DISCONNECTOR****80A 4P(3P+N) IP66/IP69****160x220x115mm Y2 IK09 HIGH****VISIBILITY YELLOW/RED LOCKABLE****ON-OFF GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU**■ GENERAL CHARACTERISTICS**

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 80A and operates efficiently at 67A in AC23A (415V). It supports a rated voltage of 690V and is configured with 4P(3P+N) poles, including a late break and early make neutral pole. The switch size is Y2, and it offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Designed for surface mounting, it includes a door interlock and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The enclosed construction features a reversible base with break-through cable entries.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	4P(3P+N)
Switch size	Y2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) in AC21A (415V)	80A
Current (Ie) in AC21A (500V)	80A
Current (Ie) in AC21A (690V)	80A
Current (Ie) in AC22A (415V)	80A
Current (Ie) in AC22A (500V)	80A
Current (Ie) in AC22A (690V)	80A
Current (Ie) in AC23A (415V)	67A
Current (Ie) in AC23A (500V)	67A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	55A
Current (Ie) in AC3 (690V)	32A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	80A
Terminals - Rigid wires	10-35mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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Instruction manual

■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL6305.SN**SWITCH DISCONNECTOR****63A 3P+SN IP66/IP69****160x220x115mm Y2 IK09 HIGH****VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU**■ GENERAL CHARACTERISTICS**

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors isolators-tp series is engineered for high visibility applications, featuring a durable construction of engineering plastic. With a handle of yellow/red for enhanced visibility, this device supports a rated current of 63A and operates efficiently at 63A in AC23A (415V). It is designed for surface mounting and offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 3P+SN poles and a Y2 switch size, operating at a rated voltage of 250V. Key features include a blank side with drilling point marks, break-through cable entries, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	63A
Poles	3P+SN
Switch size	Y2
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	63A
Current (Ie) in AC21A (415V)	63A
Current (Ie) in AC21A (500V)	63A
Current (Ie) in AC21A (690V)	63A
Current (Ie) in AC22A (415V)	63A
Current (Ie) in AC22A (500V)	63A
Current (Ie) in AC22A (690V)	63A
Current (Ie) in AC23A (415V)	63A
Current (Ie) in AC23A (500V)	63A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	40A
Current (Ie) in AC3 (690V)	25A
Power AC23A (415V)	30kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	63A
Terminals - Rigid wires	10-35mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL6305**SWITCH DISCONNECTOR****63A 4P(3P+N) IP66/IP69****160x220x115mm Y2 IK09 HIGH****VISIBILITY YELLOW/RED LOCKABLE****ON-OFF GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 63A and operates efficiently at 63A in AC23A (415V). It supports a rated voltage of 690V and is configured with 4P (3P+N) poles, including a late break and early make neutral pole. The switch size is Y2, and it offers a high protection degree of IP66/IP69 and impact resistance of IK09. Designed for surface mounting, it includes a door interlock and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The reversible base features blank sides with drilling point marks and break-through cable entries.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	63A
Poles	4P(3P+N)
Switch size	Y2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	63A
Current (Ie) in AC21A (415V)	63A
Current (Ie) in AC21A (500V)	63A
Current (Ie) in AC21A (690V)	63A
Current (Ie) in AC22A (415V)	63A
Current (Ie) in AC22A (500V)	63A
Current (Ie) in AC22A (690V)	63A
Current (Ie) in AC23A (415V)	63A
Current (Ie) in AC23A (500V)	63A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	40A
Current (Ie) in AC3 (690V)	25A
Power AC23A (415V)	30kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	63A
Terminals - Rigid wires	10-35mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL4015.SN**SWITCH DISCONNECTOR****40A 3P+SN IP66/IP69****110x150x87mm Y1 IK09 HIGH****VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU**■ GENERAL CHARACTERISTICS**

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 40A and operates efficiently at 35A in AC23A (415V). It supports a rated voltage of 250V and is configured with 3P+SN poles and an unswitched neutral (solid neutral terminal block), with a Y1 switch size. The device offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. Notable features include a surface mounting version, a reversible base, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	40A
Poles	3P+SN
Switch size	Y1
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) in AC21A (415V)	40A
Current (Ie) in AC21A (500V)	32A
Current (Ie) in AC21A (690V)	32A
Current (Ie) in AC22A (415V)	40A
Current (Ie) in AC22A (500V)	32A
Current (Ie) in AC22A (690V)	32A
Current (Ie) in AC23A (415V)	35A
Current (Ie) in AC23A (500V)	25A
Current (Ie) in AC23A (690V)	25A
Current (Ie) in AC3 (415V)	28.5A
Current (Ie) in AC3 (690V)	20A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	18.5kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	40A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL4015

SWITCH DISCONNECTOR
40A 4P(3P+N) IP66/IP69
110x150x87mm Y1 IK09 HIGH
VISIBILITY YELLOW/RED LOCKABLE
ON-OFF GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 40A and operates efficiently at 35A in AC23A (415V). It supports a rated voltage of 690V and is configured with 4P(3P+N) poles, including a late break and early make neutral pole. The switch disconnectors offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Designed for surface mounting, it includes a reversible base, blank side with drilling point marks, and break-through cable entries. The handle is padlockable in both OFF (up to three padlocks) and ON (one padlock) positions, ensuring secure operation.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	40A
Poles	4P(3P+N)
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) in AC21A (415V)	40A
Current (Ie) in AC21A (500V)	32A
Current (Ie) in AC21A (690V)	32A
Current (Ie) in AC22A (415V)	40A
Current (Ie) in AC22A (500V)	32A
Current (Ie) in AC22A (690V)	32A
Current (Ie) in AC23A (415V)	35A
Current (Ie) in AC23A (500V)	25A
Current (Ie) in AC23A (690V)	25A
Current (Ie) in AC3 (415V)	28.5A
Current (Ie) in AC3 (690V)	20A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	18.5kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	40A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL3215.SN**SWITCH DISCONNECTOR****32A 3P+SN IP66/IP69****110x150x87mm Y1 IK09 HIGH****VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU**■ GENERAL CHARACTERISTICS**

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 32A and operates efficiently at 32A in AC23A (415V). It supports a rated voltage of 250V and is configured with 3P+SN poles and an unswitched neutral (solid neutral terminal block). The switch size is Y1, and it offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Designed for surface mounting, it includes a door interlock and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The reversible base features blank sides with drilling point marks and break-through cable entries.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	32A
Poles	3P+SN
Switch size	Y1
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) in AC21A (415V)	40A
Current (Ie) in AC21A (500V)	32A
Current (Ie) in AC21A (690V)	32A
Current (Ie) in AC22A (415V)	32A
Current (Ie) in AC22A (500V)	32A
Current (Ie) in AC22A (690V)	32A
Current (Ie) in AC23A (415V)	32A
Current (Ie) in AC23A (500V)	25A
Current (Ie) in AC23A (690V)	25A
Current (Ie) in AC3 (415V)	25A
Current (Ie) in AC3 (690V)	18A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	15kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	32A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL3215**SWITCH DISCONNECTOR****32A 4P(3P+N) IP66/IP69****110x150x87mm Y1 IK09 HIGH****VISIBILITY YELLOW/RED LOCKABLE****ON-OFF GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnecter isolators-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 32A and operates efficiently at 32A in AC23A (415V). It supports a rated voltage of 690V and is configured with 4P(3P+N) poles, including a late break and early make neutral pole. The switch disconnecter offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Designed for surface mounting, it includes a reversible base, door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The enclosure features blank sides with drilling point marks and break-through cable entries.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	32A
Poles	4P(3P+N)
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) in AC21A (415V)	40A
Current (Ie) in AC21A (500V)	32A
Current (Ie) in AC21A (690V)	32A
Current (Ie) in AC22A (415V)	32A
Current (Ie) in AC22A (500V)	32A
Current (Ie) in AC22A (690V)	32A
Current (Ie) in AC23A (415V)	32A
Current (Ie) in AC23A (500V)	25A
Current (Ie) in AC23A (690V)	25A
Current (Ie) in AC3 (415V)	25A
Current (Ie) in AC3 (690V)	18A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	15kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	32A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL2015.SN

SWITCH DISCONNECTOR
20A 3P+SN IP66/IP69
110x150x87mm Y1 IK09 HIGH
VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 20A and operates efficiently at 20A in AC23A (415V). It offers superior protection with an IP66/IP69 rating and an impact resistance of IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 3P+SN poles and a Y1 switch size, operating at a rated voltage of 250V. Key features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, a reversible base, and unswitched neutral with a solid neutral terminal block.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	3P+SN
Switch size	Y1
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) in AC21A (415V)	25A
Current (Ie) in AC21A (500V)	25A
Current (Ie) in AC21A (690V)	25A
Current (Ie) in AC22A (415V)	20A
Current (Ie) in AC22A (500V)	20A
Current (Ie) in AC22A (690V)	20A
Current (Ie) in AC23A (415V)	20A
Current (Ie) in AC23A (500V)	20A
Current (Ie) in AC23A (690V)	20A
Current (Ie) in AC3 (415V)	18A
Current (Ie) in AC3 (690V)	12A
Current (Ie) in DC22A (250V)	25A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	11kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	20A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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Instruction manual

■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL2015**SWITCH DISCONNECTOR****20A 4P(3P+N) IP66/IP69****110x150x87mm Y1 IK09 HIGH****VISIBILITY YELLOW/RED LOCKABLE****ON-OFF GW 650°C**

* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 20A and operates efficiently at 20A in AC23A (415V). It offers superior protection with an IP66/IP69 rating and an impact resistance of IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 4P(3P+N) poles, a late break and early make neutral pole, and a Y1 switch size, operating at a rated voltage of 690V. Notable features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and a reversible base with break-through cable entries.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	4P(3P+N)
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) in AC21A (415V)	25A
Current (Ie) in AC21A (500V)	25A
Current (Ie) in AC21A (690V)	25A
Current (Ie) in AC22A (415V)	20A
Current (Ie) in AC22A (500V)	20A
Current (Ie) in AC22A (690V)	20A
Current (Ie) in AC23A (415V)	20A
Current (Ie) in AC23A (500V)	20A
Current (Ie) in AC23A (690V)	20A
Current (Ie) in AC3 (415V)	18A
Current (Ie) in AC3 (690V)	12A
Current (Ie) in DC22A (250V)	25A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	11kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	20A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C

Protection degree IK	IK09
Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

590.EL10005.SN

SWITCH DISCONNECTOR
100A 3P+SN IP66/IP69
160x220x115mm Y4 IK09 HIGH
VISIBILITY YELLOW/RED SN (WITH
NEUTRAL LINK) LOCKABLE ON-OFF
GW 650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
 DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for high visibility applications, featuring a durable engineering plastic construction. With a handle of yellow/red for enhanced visibility, this device is rated for a current of 100A and operates efficiently at 100A in AC23A (415V). It offers a superior protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 3P+SN poles and a Y4 switch size, operating at a rated voltage of 250V. Key features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, a reversible base, and unswitched neutral with a solid neutral terminal block.

Type	HIGH VISIBILITY
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	100A
Poles	3P+SN
Switch size	Y4
Rated voltage	250V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	125A
Current (Ie) in AC21A (415V)	125A
Current (Ie) in AC21A (500V)	125A
Current (Ie) in AC21A (690V)	125A
Current (Ie) in AC22A (415V)	100A
Current (Ie) in AC22A (500V)	100A
Current (Ie) in AC22A (690V)	100A
Current (Ie) in AC23A (415V)	100A
Current (Ie) in AC23A (500V)	63A
Current (Ie) in AC23A (690V)	63A
Power AC23A (415V)	45kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	100A
Terminals - Flexible wires	10-50mm ²
Terminals - Rigid wires	10-50mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	3,5Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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■ OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base