

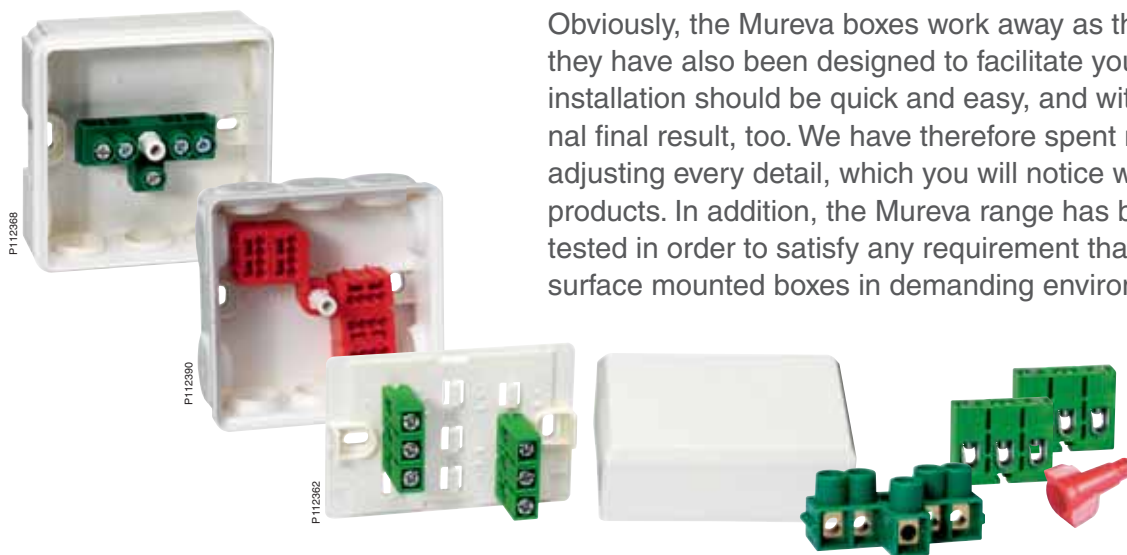


Mureva

Sometimes you need electricity where it really should be impossible to install it, like in wet or dusty places, or where electricity has not been planned at all. You needn't worry! Since the Mureva boxes from Schneider Electric thoroughly satisfy any high safety requirement that the business might have, all surface mounted installations can be made irrespective of environment or safety needs. The boxes are easy to install, they are stable and they are halogen-free. You can equip them according to your specific needs or buy them as complete junction boxes. With Mureva at hand, no job will be too demanding!



What makes Mureva outstanding?



Obviously, the Mureva boxes work away as they should, but they have also been designed to facilitate your work! Every installation should be quick and easy, and with a professional final result, too. We have therefore spent much time in adjusting every detail, which you will notice when using the products. In addition, the Mureva range has been thoroughly tested in order to satisfy any requirement that is made for surface mounted boxes in demanding environments.

A complete range

Mureva includes all the boxes you need for surface mounted installations. IP20 junction boxes, enclosed boxes, boxes for cable trays, fire resistant boxes.

Pre-assembled, yet flexible

All Mureva boxes are available empty or including the terminal block that you need for the installation. They are all part of the same system, which means that for instance terminal blocks and strain relief devices match the different boxes. Thus, you will never feel blocked.

Adequate fixation – always

You can mount Mureva wherever it suits you best. On the wall, with a spacer where cables make it necessary, on cable trays using boxes with a pre-assembled cable-tray plate. The same degree of protection applies whichever fixing variant you may chose.

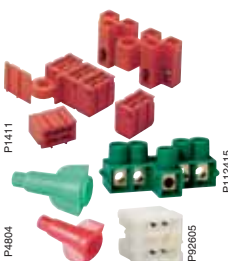
Smart covers

When you chose Mureva you won't have to keep the screws under control. They are "unlosable" as we like to call it. And they are of course rustproof. The cover is stable and tight-fitting. Some boxes are available with a click-lid without screw.



Terminal block or twist-on connector?

Let your needs decide how to connect your Mureva box. You can use a screw terminal for large-size cables, a push-in terminal for 1.5-2.5 mm² cable, or the TORIX twist-on connector. The push-in terminals are the fastest – just insert the cables and the conductors will be connected! The risk of a loose contact is practically non-existent and you can mix conductors, like solid and rigid stranded and 1.5 och 2.5 mm² conductors.



A surface mounted range

IP20 page 6

Junction boxes for discreet installations in housing environments.



IP54 page 8

Tough boxes that can handle dust, moist and impact in rough environments.



Halogen-free

The products in the Mureva range are halogen-free. Good for you and for the environment!



Thoroughly tested

The products of the Mureva range are based on more than 30 years of experience of installation material and of how they can make your job easier. And everything is tested and standardized.



Fire classification

Tough requirements on fire resistance are no problem when you go for Mureva. Two fire classified boxes, Mureva U56 and Mureva 350, are included in the range.



Classification for wet rooms

Our enclosed boxes are the natural choice for bathrooms, pool rooms and other tough, demanding environments.

IP55/65 page 10

Boxes with click-lid or screw-fixed cover for bathrooms, farms and industries. A fire resistant alternative is available.



IP67 page 12

Waterproof boxes for the toughest environments. A fire resistant alternative is available.



IP20

Junction boxes for housing environments

The degree of protection IP20 means that the box is protected against intrusion of objects bigger than 12 mm, but that it has no protection against water. Thus, the box is perfectly suited for normal indoor use. You should therefore use an IP20 classified junction box when you update electricity in older housing environments. The box is also excellent when making complementary installations or when you are cramped for space. You always get a safe result, and the box harmonizes discreetly with the housing environment.

The Mureva range includes the junction boxes K60, K90, TED-001 and TED-002.



Mureva junction boxes K60 and K90

You have most certainly seen our small, square junction box K60 (60x60 mm) before, since it implies an aesthetically attractive solution for surface mounted installations. If you should need larger space for the connection, the bigger junction box K90 (90x60 mm) is your obvious choice. The cover of K90 is snap-fitted, providing a fast and neat installation without screws. Pick your choice between a box with pre-assembled terminals or an empty box for use with the TORIX twist-on connector.



K60

K60 is available empty or pre-assembled with a 5-pole screw-type terminal. The square shape enables several installation options.

Approval

SEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.



K90

The rectangular K90 with snap-fitted cover is available empty, with pre-assembled 2x3-pole screw-type terminals, with 2x3-pole screw-type terminals and strain relief, or with five push-in terminals that can be moved around on the bottom plate to suit the installation.

Approval

SEMKO and NEMKO for 440 V acc. to the IEC standard 60670-1.



Strain relief device

If you combine the junction box with a strain relief, you can fix cables of max. Ø 14 mm.



Loose terminal blocks

The push-in terminal can take conductors of max. 5x1.5 mm² or 5x2.5 mm², and the screw-type terminal max. 6x1.5 mm², 4x2.5 mm², 3x4 mm² or 2x6 mm².

Mureva TED-001 and TED-002

If you need a bigger box with a screw-fixed cover, we recommend one of the five Mureva TED variants. Connections are made through any of the four sides of the cover, or through the box bottom. Among the accessories, a strain relief device is available. Make your choice between a box with pre-assembled terminals or an empty box for connection with the TORIX twist-on connector.



TED-001

The box is available in two variants, empty or with five pre-assembled push-in terminals.



TED-002

TED-002 is available in three versions: empty, with pre-assembled 6-pole screw-type terminal or with five push-in terminals. Integrated stop for cable sheath and conduits. Knock-out openings at the bottom minimize the use of tools.

Approval

SEMKO, NEMKO, DEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.



Quick and easy

By using the Mureva pliers it will be easy to cut a hole for connection in the cover of IP20 classified boxes..



The choice is yours

The boxes are supplied with the type of terminal block that best suits the installation.

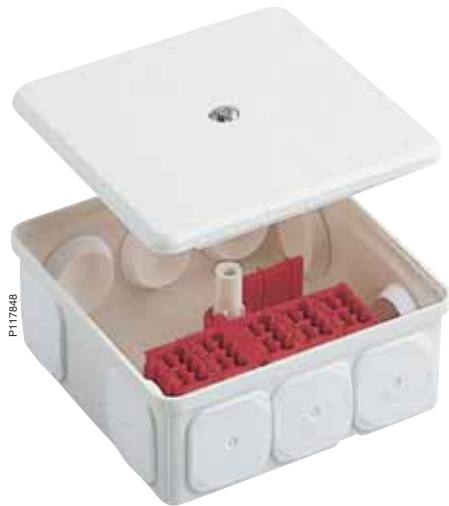
IP54

For protection against dust, moisture and impact in tough environments

The IP54 classification means extra protection against dust and moisture. Products with this classification are suitable for surface mounted installations in unheated premises, schools, sports centres and similar public premises. They can also be used for outdoor installations. Our enclosed IP54 boxes are Mureva TED-010 and Mureva TED-012. They are dust and moisture-proof, have clever screw-fixed covers and are impact resistant.



Mureva TED-010 and TED-012



P117848

Mureva TED-010 and TED-012 can withstand physical strains, dust and moisture, thanks to their screw-fixed covers with unlosable rustproof screws.

Make your choice between boxes with pre-assembled terminals or empty boxes for connection with the TORIX twist-on connector.

Various accessories are available, like a wire bracket/spacer and strain relief devices.



Lid with seal

A lid that can be sealed is available as a supplement to TED-010. Perfect for installations of alarms for instance.



P112389

TED-010

The box is available empty, with pre-assembled 6-pole screw-type terminal or with push-in terminal. The cover of TED-010 has an edge that provides a very solid box.



P112390



P112404

P112405

Tube sleeves

TED-010 can also be provided with tube sleeves in two dimensions, Ø 16 and Ø 20 mm.



Strain relief devices

Available for TED boxes from IP20 to IP65. For strain relief of cables up to Ø 14 and Ø 20 mm.



P112393

TED-012

TED-012 is available empty or with pre-assembled 6-pole screw-type terminal. The cover has an edge that provides a very solid box. The material of TED-012 is thicker than that of TED-010. The size of the box makes it well suited for installations that require a lot of space.

Approval

SEMKO, NEMKO, DEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.



Wire bracket/spacer

Available for TED boxes with IP54 and IP65.

IP55/65

Bathrooms and farms require extra protection against dust and water

Every bathroom represents an obvious risk of exposing the electric installation to moisture. The boxes used must have a protection against water for instance from a shower. The degree of protection in this case is IP55 and our box for this purpose is Mureva U56 with a click-lid. The well-adjusted and slightly rounded design of this box makes it equally suitable in a home setting as in modern industrial premises.

In industrial or farming environments, where the installation is exposed both to water and dust, IP65 is required. Choose Mureva U56 also in this case, though with a screw-fixed cover.



IP55: Mureva U56 with click-lid



U56 with click-lid

The box is supplied empty with a glossy and stable click-lid without screw. This box fulfils the safety requirements, read more on page 21.

Approval

SEMKO, NEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.



IP65: Mureva U56 with screw-fixed cover



U56 with screw-fixed cover

Mureva U56 is available empty, with pre-assembled 5-pole screw-type terminal, with 2x3-pole screw-type terminals or with 6 push-in terminals that can be moved around on the bottom plate to suit the installation.

Approval

SEMKO, NEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.

Fire classification

UL 94-V0 (Ref. numbers IMT36126 and IMT36127).

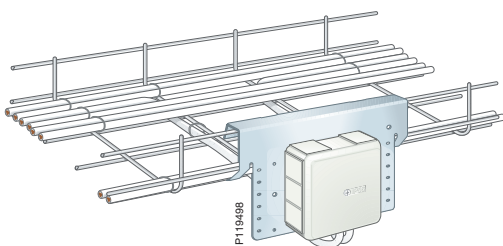


In every direction!

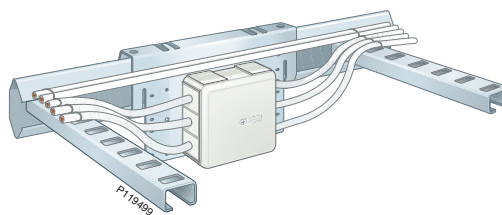
Mureva U65 has ten entries, allowing cables to always be connected the shortest way.

Easier installations on cable trays

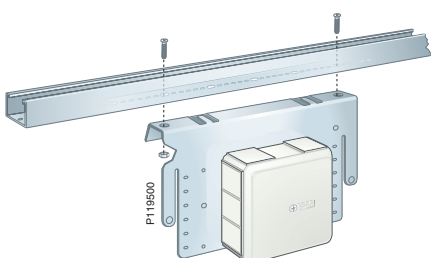
Mureva U56 is a real hit if you want to install a surface mounted box on a cable tray, since Schneider Electric produces them both! Mureva U56 is available pre-assembled on a cable-tray plate that suits our own as well as other standard variants of cable ladders and trays on the market. The plate can also be mounted on rails for electric fittings and on wire.



The cable-tray plate has special fixing edges that suit mounting on mesh trays.



The U56 box on the inner side of a cable ladder. The plate can also be installed upwards if the space is limited in the downward direction because of the ceiling.



Cable-tray plate with the U56 box on a rail for electric fittings.



Work away faster!

When ordering Mureva U56, one single reference number will provide you with cable-tray plate, box and terminal block, pre-assembled and ready.



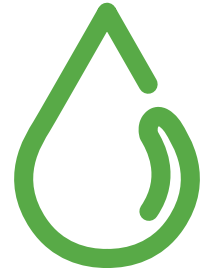
Approval

SEMKO, NEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.

IP67

Enclosed boxes for the very toughest environments

In the very toughest environments, like in laundries and industrial establishments, the box must withstand water splashing without letting moisture in, i.e. it must be watertight. In addition, it must resist various chemicals and high temperatures without losing its shape. Our IP67 classified boxes are Mureva 350 and Mureva TED-022.



Mureva 350, fire-classified, watertight thermoset box



The 350-series was launched more than 60 years ago. The box is a watertight, enclosed box of halogen-free thermoplastic acc. to IP67. It has superior capacity to hold water outside and excellent resistance to fire and chemicals. When burning, the box slowly get charred without an open flame. The 350-series is frequent in car-wash and laundry establishments, food industries and similar activities, where the electric installation must be kept from water. The box is available with a 5-pole screw terminal and with two, three or four cable glands.

Approval

SEMKO for 440 V acc. to the IEC standard 60670-1.

Fire classification

UL 94-V0.



Fire classified & halogen-free

Mureva 350 does not burn, it slowly get charred. And just like our other boxes it is totally halogen-free, which means that no toxic gases are formed in case of fire.

Mureva TED-022 – watertight and capacious



If you need a larger enclosed box than Mureva 350, for installations in for instance public baths and car-wash establishments, TED-022 is your best choice. The box is dust and watertight but has no fire classification. The cover is provided with “unlosable” rustproof screws.

The box is supplied with a pre-assembled 6-pole screw terminal, or empty for connection with the TORIX twist-on connector. Various accessories are available, like wire bracket/spacer and strain relief devices.





Approval

SEMKO, NEMKO and FIMKO for 440 V acc. to the IEC standard 60670-1.






Still a favourite after 30 years
– TORIX twist-on connector.





Box K90












Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.	
Without terminal block					
Surface mounted junction box with snap-fitted cover and fixings for terminal blocks. IP20. Material: PA.					
P112361 	KBS 60/K90	White	60/33/90	10	IMT36057
With terminal block, screw-type					
Surface mounted junction box with snap-fitted cover and 2x3-pole screw-type terminal blocks. IP20. Material: PA.					
P112362 	KBS 66/K90	White	60/33/90	10	IMT36058
Surface mounted junction box with snap-fitted cover and 2x3-pole screw-type terminal blocks and strain relief. IP20. Material: PA.					
P112364 	K90	White	60/33/90	10	IMT36091
With terminal block, push-in type					
Surface mounted junction box with snap-fitted cover, 5-pole push-in terminal block. IP20. Material: PA.					
P112363 	K90	White	60/33/90	10	IMT36090

Box K60 and KB65

Without terminal block					
Surface mounted junction box with screw-fixed cover. IP20. 440V. Material: PA6/PP.					
P112365 	K60	White	60/30/60	5	IMT36092
	K60 Provided with a label with Russian text	White	60/30/60	5	IMT36351
With terminal block, screw-type					
Surface mounted junction box with screw-fixed cover and 5-pole screw-type terminal block. IP20. Max. cable area 4x1.5 mm ² or 3x2.5 mm ² . 440V. Material: PA6/PP.					
P112366 	K60	White	60/30/60	5	IMT36093
	K60 Provided with a label with Russian text	White	60/30/60	5	IMT36352
Surface mounted junction box with screw-fixed cover and 2x3-pole screw-type terminal blocks. For mounting close to ceilings. IP20. Material: PA.					
P112411 	KB65	White	45/32/109	10	IMT36068













Box U56

Without terminal block					
Surface mounted junction box with screw-fixed cover. With ten grommets for cables up to Ø14 mm. IP65. Material: ABS.					
P112367 	U56	White	87/39/87	5	IMT36076
	U56 Provided with a label with Russian text	White	87/39/87	5	IMT36349
With terminal block, screw-type					
Surface mounted junction box with screw-fixed cover and screw-type terminal blocks. With ten grommets for cables up to Ø14 mm. IP65. Material: ABS.					
P112368 	U56 5-pole screw terminal	White	87/39/87	5	IMT36077
	U56 5-pole screw terminal, provided with a label with Russian text	White	87/39/87	5	IMT36350
P112370 	U56 2x3-pole screw terminals	White	87/39/87	5	IMT36095
With terminal block, push-in type					
Surface mounted junction box with screw-fixed cover and 6-pole push-in terminal blocks. With ten grommets for cables up to Ø14 mm. IP65. Material: ABS.					
P112369 	U56	White	87/39/87	5	IMT36094

Box U56		Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P112367		Fire-resistant, without terminal block				
		Surface mounted junction box with screw-fixed cover. Fire-resistant according to UL 94 V0. With ten grommets for cables up to Ø14 mm. IP65. Material: PC/ABS.				
		U56	White	87/87/39	5	IMT36126
P112368		Fire-resistant, with terminal block, screw-type				
		Surface mounted junction box with screw-fixed cover and 5-pole screw-type terminal block. Fire-resistant according to UL 94 V0. With ten grommets for cables up to Ø14 mm. IP65. Material: PC/ABS.				
		U56	White	87/87/39	5	IMT36127
P118303		Click-lid box, without terminal block				
		Surface mounted junction box with click lid. With ten grommets for cables up to Ø14 mm. IP55. Material: ABS.				
		U56	White	87/87/39	5	IMT36128
P112371		Mounted on cable-tray plate, without terminal block				
		Surface mounted junction box with screw-fixed cover mounted on a cable-tray plate. With ten grommets for cables up to Ø14 mm. IP65. Material: ABS.				
		U56	White	180/120/39	5	IMT36096
P112372		Mounted on cable-tray plate, with terminal block, screw-type				
		Surface mounted junction box with screw-fixed cover and 5-pole screw-type terminal block, mounted on a cable-tray plate. With ten grommets for cables up to Ø14 mm. IP65. Material: ABS.				
		U56	White	180/120/39	5	IMT36097
Box 350		With terminal block, screw-type				
P112373		Surface mounted junction box with screw-fixed cover, 5-pole screw-type terminal block and cable glands. Fire-resistant acc. to UL 94 V0. IP67. Material: Ureaformaldehyde.				
		350 series 1 up/1 down	White	126/45/86	10	IMT36098
P112374						
		350 series 1 up/1 down/1 right	White	126/45/106	10	IMT36099
P112375						
		350 series 2 up/1 down	White	126/45/86	10	IMT36100
P112376						
		350 series 2 up/2 down	White	126/45/86	10	IMT36101
Box EL-SAN		Without terminal block				
P112412		Surface mounted junction box with screw-fixed cover, including an earthing system with earth wires and steel plates. To be used where electromagnetic radiation has to be kept low. IP44. Material: ABS, sheet steel.				
		EL-SAN	White	82/39/82	1	IMT36186
P112413		EL-SAN	White	82/55/82	1	IMT36187

Accessories K90, K60, KB65, U56


Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
Terminal blocks					
3-pole screw-type terminal block for use in U56 junction boxes. Cable range 1.5-2.5 mm ² . 440V. Material: PA.					
U56 Screw terminal	Green	25/9/31		10	IMT36089
5-pole screw-type terminal block for use in U56 junction boxes. Max cable area 3x2.5 mm ² . Material: PA.					
U56 Screw terminal	Green	20/25/51		10	IMT36086
6-pole push-in terminal block approved for max 85°C. Max cable area 6x2.5 mm ² . For K90/U56 with terminal plate. Material: PA.					
K90/U56 Push-in terminal	White	15/15/15		50	WDE0000010
Terminal plate					
Terminal plate for fixation of screw-type or push-in terminal blocks in U56 junction boxes. Material: ABS.					
U56 Terminal plate	White	70/5.5/42		10	IMT36088
Strain relief devices					
Strain relief for K90 junction boxes. Can also be used with U56 terminal plate in U56 junction box. Material: Thermoplastic.					
K90 Strain relief	White	32/9/17		10	IMT36102
Strain relief for U56 junction boxes. Max cable diameter 14 mm ² . Material: ABS.					
U56 Strain relief	White	27/46/56		10	IMT36084
Strain relief for K60 junction boxes. Also suitable for KB65 junction box. Material: PA.					
K60 Strain relief	White	42/20/24		10	IMT36109
Mounting plate					
Mounting plate for wire cables with a maximum cross section of Ø10 mm. Material: Sheet steel.					
Mounting plate	—	80/2/210		10	IMT36103
Grommets					
Replacement grommet for U56 junction boxes. Material: SEBS.					
U56 Grommet	White	8/23/23		10	IMT36085
Small grommet for U56 junction boxes, fire resistant. Material: SEBS.					
U56 Grommet	White	7/22/22		10	IMT36129
Partition wall					
Partition wall to be used in U56 junction boxes. To divide the box in two separate compartments, for the separation of power and low voltage cables. Material: Thermoplastic.					
U56 Separation wall	Green	32/—/80		5	IMT36104
Spacer					
Spacer for surface mounted junction boxes. Material: PA.					
Spacer	White	15/14/18		10	IMT36107
Cover, shielded					
Shielded cover with strain relief for mounting in shielded box systems. Adjusted for combination mounting in a multi-compartment frame. To get a shielding effect to the sides and backwards when mounted in a non-shielded box, the installation must be completed by a shielding kit. The cover can be used for flush IP20 mounting in apparatus boxes, and for surface mounting in combination with Eljo Trend surface mounted box. Material: ABS.					
Shielded cover	White	10/82/82		1	IMT36332
Pliers					
Pliers for cutting holes in junction boxes with IP20. Material: Steel.					
Cutting pliers	Black/green	150/60/200		1	IMT36108

Box TED-001		Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
P112386		Without terminal block					
		Surface mounted junction box with screw-fixed cover. IP20. Material: PC/ABS.					
		TED-001	White	60/25/91		5	IMT36115
P112387		With terminal block, push-in type					
		Surface mounted junction box with screw-fixed cover and 5-pole push-in terminal block. IP20. Material: PC/ABS.					
		TED-001	White	60/25/91		5	IMT36116
Box TED-002		Without terminal block					
P112388		Surface mounted junction box with screw-fixed cover. IP20. Material: PC/ABS.					
		TED-002	White	61/31/78		5	IMT36117
P112400		With terminal block, screw-type					
		Surface mounted junction box with screw-fixed cover and 6-pole screw-type terminal block KP18. IP20. Material: PC/ABS.					
		TED-002	White	61/31/78		5	IMT36119
P112389		With terminal block, push-in type					
		Surface mounted junction box with screw-fixed cover and 5-pole push-in terminal block. IP20. Material: PC/ABS.					
		TED-002	White	61/31/78		5	IMT36118
Box TED-010		Without terminal block					
P112391		Surface mounted junction box with screw-fixed cover. With ten grommets for cables up to Ø14 mm. IP54. Material: ABS.					
		TED-010	White	82/36/82		5	IMT36074
P112389		With terminal block, screw-type					
		Surface mounted junction box with screw-fixed cover and 6-pole screw-type terminal block KP18. With ten grommets for cables up to Ø14 mm. IP54. Material: ABS.					
		TED-010	White	82/36/82		5	IMT36075
P112390		With terminal block, push-in type					
		Surface mounted junction box with screw-fixed cover and 6-pole push-in terminal block. With ten grommets for cables up to Ø14 mm. P54. Material: ABS.					
		TED-010	White	82/36/82		5	IMT36110
Box TED-012		Without terminal block					
P112392		Surface mounted junction box with screw-fixed cover. IP54. Material: ABS.					
		TED-012	White	100/49/100		5	IMT36111
P112393		With terminal block, screw-type					
		Surface mounted junction box with screw-fixed cover and 6-pole push-in terminal block. P54. Material: ABS.					
		TED-012	White	100/49/100		5	IMT36112
Box TED-022		Without terminal block					
P112394		Surface mounted junction box with screw-fixed cover. IP67. Material: ABS.					
		TED-022	White	100/49/100		5	IMT36113

Box TED-022

P112395



Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
With terminal block, screw-type					
Surface mounted junction box with screw-fixed cover and 6-pole screw-type terminal block KP18. IP67. Material: ABS.					
TED-022	White	100/49/100		5	IMT36114

Accessories TED

P112401



Strain relief devices					
Strain relief for TED boxes IP 20-IP65. For strain relief of cables up to Ø 14 and 20 mm respectively. Material: PA.					
TED-DAV14 Up to Ø14 mm	Grey	23/60/31.5		5	IMT36080

P112402



TED-DAV20 Up to Ø20 mm	Grey	27.5/61/37		5	IMT36081
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P112407



Grommets					
Replacement grommets for surface mounted junction boxes. Material: EBA.					
TED-NP010 For TED-010 boxes	White	8/22/22		10	IMT36082

P112408



TED-NP012 For TED-012 boxes	White	Ø27.5/8.8		10	IMT36124
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P112409



TED-NP022 For TED-022 boxes	White	Ø29/15		10	IMT36125
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P112404
P112405

Tube sleeve					
Tube sleeve for connection of PVC pipes Ø16 or Ø20 mm respectively to TED-010 boxes. Material: PE.					
TED-SL16	White	32/Ø18		10	IMT36121
TED-SL20	White	32/Ø22		10	IMT36122

P112410



Terminal block					
6-pole screw-type terminal block for TED junction boxes. Max cable area 6 mm ² . Material: PA.					
TED-KP18	Red	25/20/55		5	IMT36083

P112403



Wire bracket/spacer					
Combined wire bracket and spacer for TED junction boxes with IP54 and IP65. Material: PC.					
TED-L/D	White	14/5/87		5	IMT36120

P112406



Lid with seal					
Lid for TED-010 junction boxes. The lid provides a seal for the box. Material: ABS.					
TED-PL	White	8/81.5/81.5		1	IMT36123

P117013















Partition wall					
Partition wall to be used in TED-010 boxes. To divide the box in two separate compartments, for the separation of power and low voltage cables. Material: PC/ABS.					
TED-M010	White	30/19/73		5	IMT36343

P112387






Pliers					
Pliers for cutting holes in junction boxes with IP20. Material: Steel.					
Cutting pliers	Black/green	150/60/200		1	IMT36108

Compatible fixing material, brand Thorsman

Type	Colour	Dimensions Ø/L (mm)		Qty per package	Ref. No.
Twist wire connector					
Twist-on connector for the connection of all kinds and combinations of wire. A test hole at the top of the connector ensures quick and easy testing of the connection with ordinary testing instruments. Material: PA.					
 P4804	Green	23/16/34		50	3000 150
	Red	20/14/28		100	3000 210
Installation screw with cup washer					
Installation screw with cross-slotted head type PH2. Sharp point, fully threaded. High pitch for quick mounting. Provided with a cup washer for screw-head protection. Material: Hardened steel (electro-zinc), PP.					
 P8919	—	Ø5/32		100	4020210
Wood screw					
Wood screw with panhead, Phillips cross recess. Twin thread, sharp point. Fully threaded. Suitable for wood and wood fibreboard and together with plugs. Mounting with cross-point or power screwdriver. Material: Steel (electro-zinc).					
 P81322	—	Ø4.2/38		100	3709855
	—	Ø4.2/45		100	3709860
Nail plug					
Nail plug for all types of through installation, such as electrical trunking, switches, battens, clamps, boxes, door/window frames. Suitable for concrete, stone, low density concrete, expanded clay, hollow bricks and blocks, solid bricks and plasterboard. The plug provides a powerful expansion. Material: PA, steel.					
 P60847	Clear	Ø5/50		100	1149707
Self-tapping collar screw					
Self-tapping collar screw with hexagon head 1/4" and Phillips cross recess. Collar dia. 8.3 mm. Drill point, single self-tapping thread, fully threaded. Fastened without pilot drilling. Suitable for sheet steel, maximum 2x1.5 mm. Mounting with cross-point screwdriver or magnetic socket. Material: Steel (electro-zinc).					
 P81318	—	Ø4.2/13		100	3780710
	—	Ø4.2/19		100	3780715
Self-tapping collar screw, Secor					
Self-tapping collar screw with hexagon head 1/4" and Phillips cross recess. Collar dia. 8.3 mm. Drill point, single self-tapping thread, fully threaded. Fastened without pilot drilling. Suitable for sheet steel, maximum 2x1.5 mm. Mounting with cross-point screwdriver or magnetic socket and power driver. Thorsman SECOR-classified, corrosivity category C3. Suitable outdoors Material: Steel (electro-zinc).					
 P81318	—	Ø4.2/13		100	3780925
	—	Ø4.2/19		100	3780930
Collar screw					
Collar screw with hexagon head. Phillips cross recess. Twin thread, fully threaded. Suitable for wood and wood fibreboard, sheet steel, and together with plugs. Mounting with cross-point screwdriver or magnetic socket. Material: Steel (electro-zinc).					
 P81317	—	Ø4.2/25		100	3780220
	—	Ø4.2/38		100	3780230
Wall plug					
Wall plug suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow bricks, solid bricks and plasterboard. Material: PE-HD.					
 P88050	Yellow	Ø5.5/22		100	1001007
	Red	Ø5.5/35		100	1003003
Cavity fixing					
Self-drilling cavity fixing for light installations in plasterboard. Sheets from 9 mm thickness. Material: Zinc.					
 P60816	—	Ø4.5/35		100	1220106
	—	Ø4.5/35		25	1220205
Cavity fixing					
Cavity fixing including screw with panhead and Phillips cross recess. Sharp point, twin thread, fully threaded. The shape of THW prevents it from rotating. No pre-drilling needed, just hammer in. Excellent for porous and thin material. Pull-out load 100 N, safety factor 3. Shear load 100N, safety factor 2.5. Board thickness 6-13 mm, max. thickness of fixture 16 mm. Material: Steel (electro-zinc).					
 P81678	—	10/30/12		50	1260170

Compatible products, Thorsman brand

Type	Colour	Dimensions Ø/L (mm)	Qty per package	Ref. No.	
Hammer drill bits					
Hammer drill bit intended for use in electro-pneumatic, rotary hammer-drilling machines with SDS taper. Suitable for concrete, brick, stone and rock.					
 P 89049	THB 5,5x110	—	Ø5.5/110	1	1788 975
	THB 6x110	—	Ø6/110	1	1789 023
	THB 6x160	—	Ø6/160	1	1789 016
	THB 8x160	—	Ø8/160	1	1789 108
	THB 10x160	—	Ø10/160	1	1789 153
Screw bits					
1/4 hexagon drive end, various lengths (25, 50 or 110 mm, see below). Adapted to the Thorsman range of installation screws with Phillips cross recess. Material: Hardened steel.					
 P 89041 P 891679 P 88048	PH 2x25	—	1/4"/25	2	1772 054
	PH 2x25 Reduced	—	1/4"/25	2	1772 052
	PH 2x50	—	1/4"/50	2	1772 056
	PH 2x110	—	1/4"/110	2	1772 058
Magnetic sockets					
Magnetic socket with 1/4" hexagon drive end. Internal hexagon with magnet. Suitable for screws with a 1/4" hexagon head. To be used together with a screw-driver. Material: Steel.					
 P 91677	TST-V 10x45	—	1/4"/45	1	1772 125
	TST-V 9x100	—	1/4"/100	1	1772 120
Specially suited for tight spaces					



Description

The Schneider Electric range of surface mounted boxes consists of five IP 20 boxes and seven sizes of water-tight boxes (IP 54–67).

The boxes are suitable for all types of installations, ranging from indoor to outdoor use. There are also two boxes that conform to the UL 94-V0 fire resistance requirements.

The range also includes a large number of accessories, specially designed to make installations faster, easier and safer.

Benefits

- Large range of IP classes, from IP 20 to IP 67
- Large range of box sizes
- Two types of cover fixings; both snap-fitted covers and screw-fastened covers are available
- Fire-resistant boxes (UL 94-V0)

Standards & approvals

Standards	60 670-1 UL 94-V0 (Fire resistance)
Approvals	Semko, Nemko, Demko, Fimko

Technical and Material data

Material	ABS
Density	1.05 g/cm ³
Colour	SE white 7
Material	PC/ABS
Density	1.18 g/cm ³
Colour	SE white 7
Material	Ureaformaldehyde
Density	1.5 g/cm ³
Colour	SE white 7
Electrical data	Approved for 440V
Temperature range	-25°C – +60°C
Suitable outdoors	Suitable products are available in the range
Degree of protection	From IP 20 to IP 67

U56 box with a click-lid

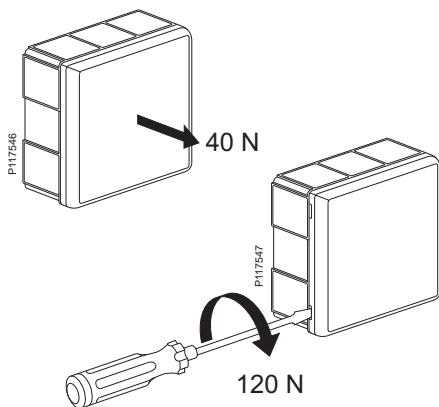
A surface mounted box has two purposes. It should protect an electric installation from the surroundings, normally water and solid objects like dust, and it should also protect the surroundings from contact with the electricity, like protecting people from electric shocks.

In order to avoid contact with the electric connections, it is important that the cover stays put despite the pressure of the cables inside the box. The test procedure involves applying a force of 40 N (for boxes that allow direct access to live parts if the cover is opened) in the centre of the box and the lid must not come off.

It is also important for the electrician to be able to open the box without problems. In the test a force of 120 N is applied in the marks that are used to open the box. In this case, the lid should come off.

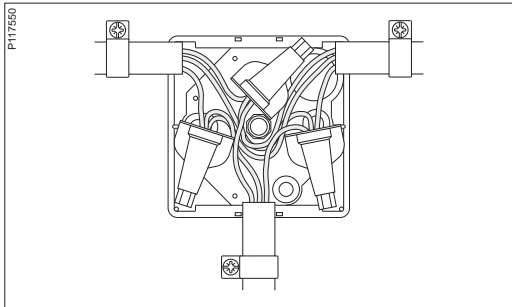
Last but not least, it is important that persons who should not have access to the box, for instance small children, should not be able to open the box by hand. There is a number of tests to this end, but the most important thing is that it should be difficult, or preferably impossible, for an adult to remove the lid from the box without a tool.

The Mureva U56 box with the click-lid is unique while combining the function and design of the U56 boxes with a very safe click-lid.

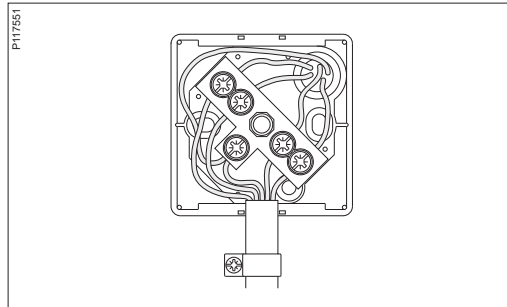


Connection examples

K60 and K90 boxes



Junction box K60 connected with TORIX twist-on connectors.

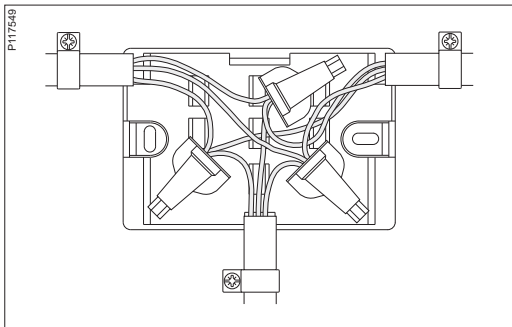


Junction box K60 with cable entry from the wall connected with a 5-pole screw terminal.

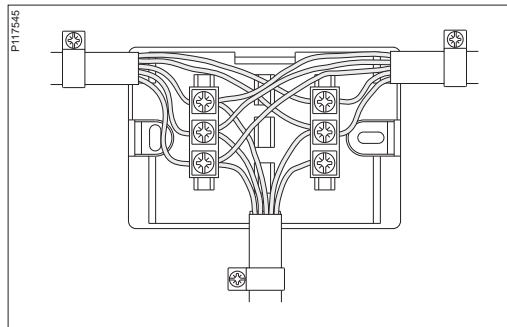
Examples

K60 box

K60 can be connected with TORIX or with a 5-pole screw terminal.



Junction box K90 connected with TORIX twist-on connectors.

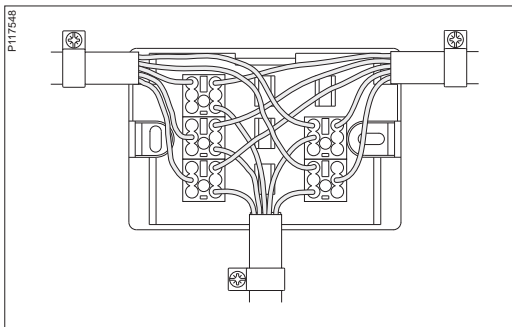


Junction box K90 connected with two 3-pole screw terminals.

Examples

K90 box

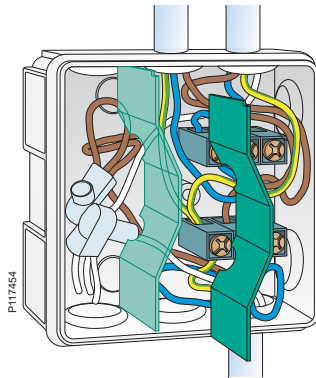
K90 can be connected with TORIX, with pre-assembled 2x3-pole screw terminals or with five push-in terminals.



Junction box K90 connected with five push-in terminals.

Mounting and connection examples

U56 boxes

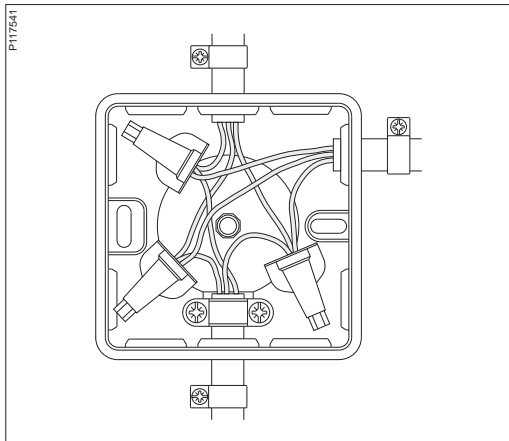


Mounting of a partition wall in the U56 box

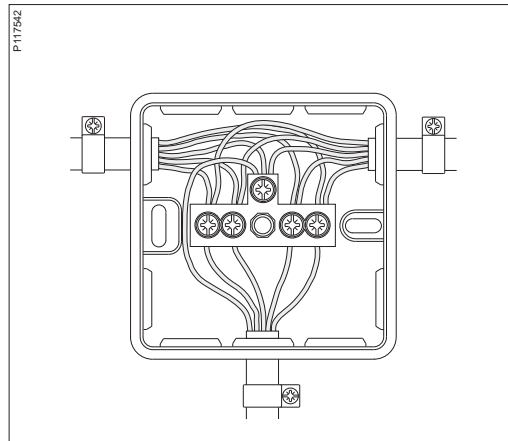
The partition wall should be threaded onto the centre pillar of the box, locked between the grommets.

The strain relief device IMT36084 can be used but encroaches slightly on the space for connections. The terminal plate IMT36088 and the screw terminal IMT36089, or alternatively the push-in terminal WDE000010, may well be used together with the partition wall.

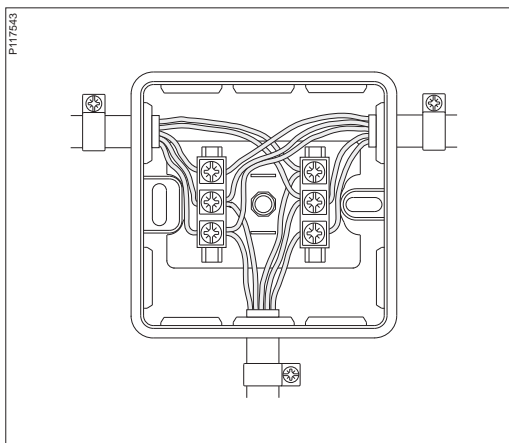
If mains cables and low voltage cables enter or leave the box through the same entrance or exit, a passage should be cut open in the lower edge of the partition wall. A suitable tool is the cutting pliers IMT36108.



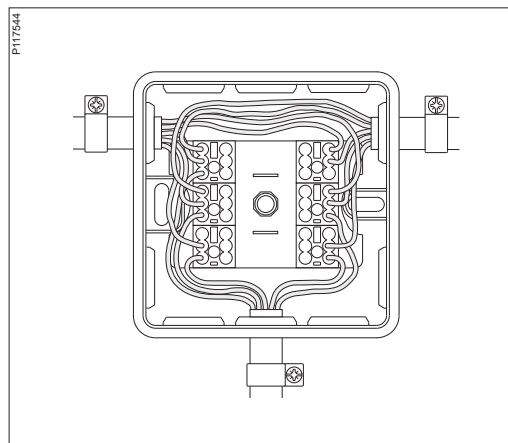
U56 box with strain relief device and connected with TORIX twist-on connectors.



U56 box connected with a 5-pole screw terminal.



U56 box connected with two 3-pole screw terminals.



U56 box connected with six push-in terminals.

Examples

U56 box

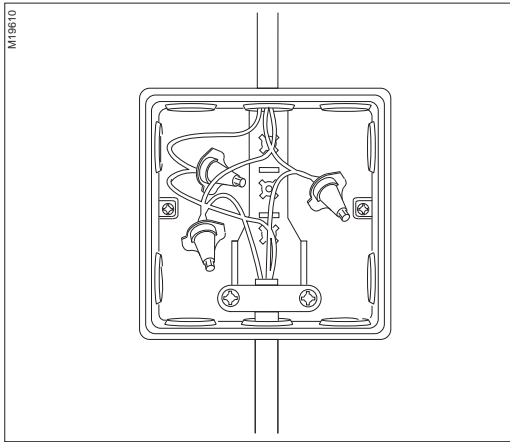
The U56 box can be connected with TORIX, with a pre-assembled 5-pole screw terminal, with 2x3-pole screw terminals or with six push-in terminals.

The U56 box can be provided with up to two strain relief devices.

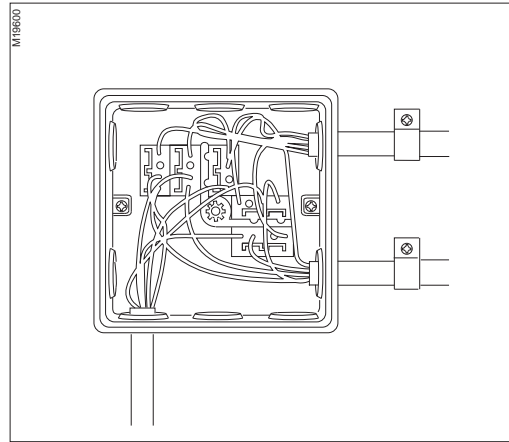
Examples

TED boxes

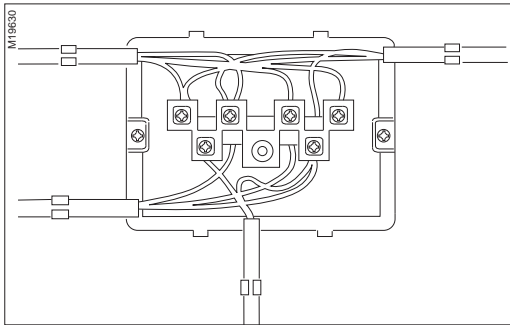
TED boxes can be connected with push-in terminal, screw terminal or TORIX. It's your choice!



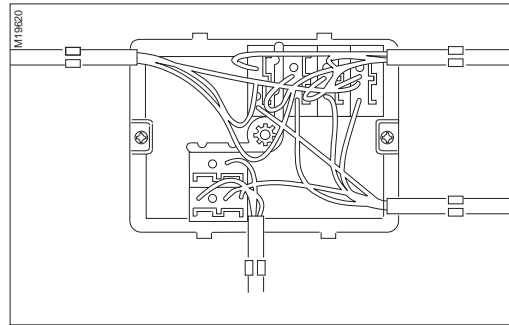
TED-010 with strain relief device, connected with TORIX twist-on connectors.



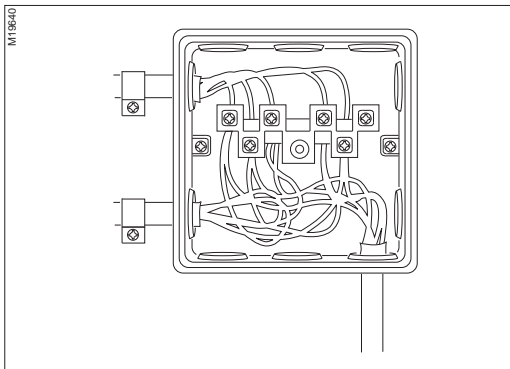
TED-010 connected with push-in terminal.



TED-002 connected with screw terminal TED-KP18.



TED-002 connected with push-in terminal.



TED-010 connected with screw terminal TED-KP18.