



1. Safety note:

Warning! Installation by person with electrotechnical expertise only.

Environment
Consider the protection of the environment! Used electrical and electronic equipment must NOT be disposed of with domestic waste. The device contains valuable raw materials which can be recycled. Therefore, contact ABB for disposal of this equipment.

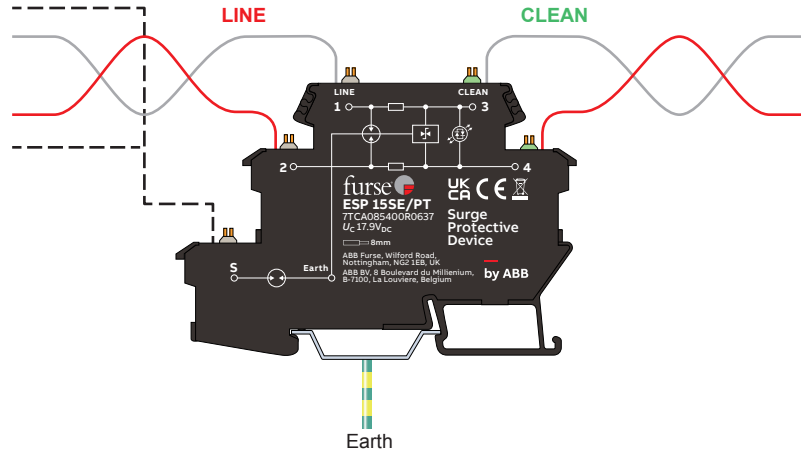
Fast-fit Push Terminal (PT)

0.4 Nm
(Screw Terminal only)

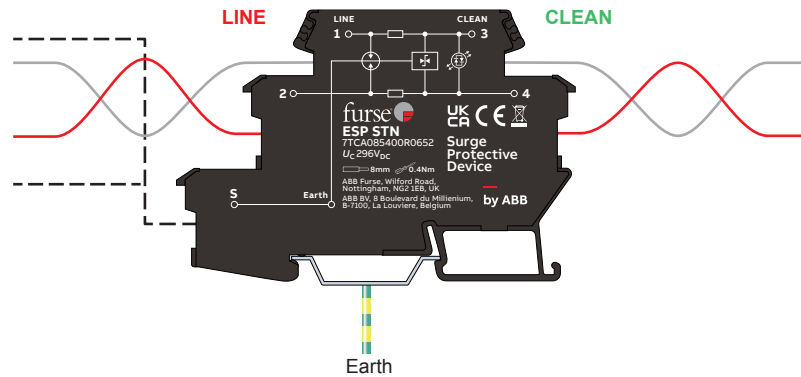
6 mm
max. 2.5mm²

Check the SPD if there is any signal line interruption. ESP SE and SRS485 series have a status indication LED - check the system if the signal line is interrupted and the LED is off when SPD is in circuit.

ESP 15SE/PT installation (spring terminal, top cable entry)



ESP STN installation (screw terminal, side cable entry)



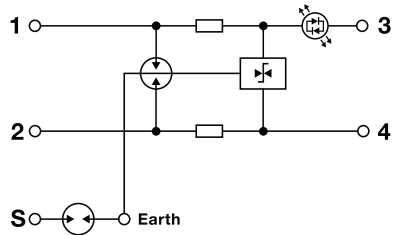
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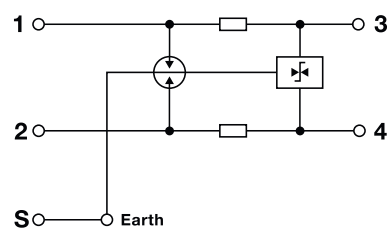
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Specifications subject to change without notice.

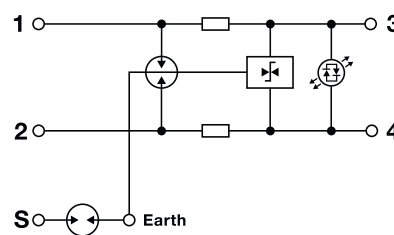
Schematic for 30SE/4-20



Schematic for SD



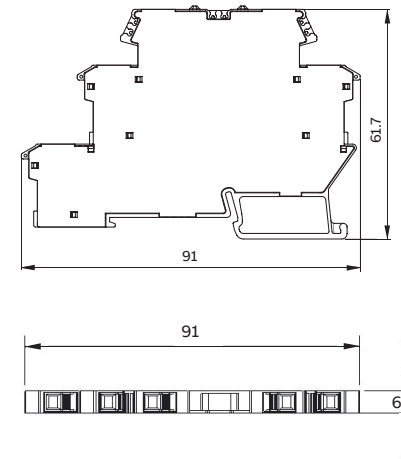
Schematic for SE, STN & RS485



+	-40 to +80°C	IP20
+	93%	



Dimensions



Specification (installation)

Part no.	GID code	Terminal	Screen connection	U _n (V)	U _c (DC, V)	U _c (RMS, V)	I _n (A)	Z (Ω)	F (Hz)
ESP06SD	7TCA085400R0613	Screw	Earthed	6	7.9	5.6	0.4	10	0.9MHz
ESP06SD/PT	7TCA085400R0630	Spring							
ESP15SD	7TCA085400R0614	Screw	Earthed	15	18.9	13.4	0.4	10	1.7MHz
ESP15SD/PT	7TCA085400R0631	Spring							
ESP30SD	7TCA085400R0615	Screw	Earthed	30	37.8	26.7	0.4	10	3MHz
ESP30SD/PT	7TCA085400R0632	Spring							
ESP50SD	7TCA085400R0616	Screw	Earthed	50	57.8	40.9	0.4	10	5MHz
ESP50SD/PT	7TCA085400R0633	Spring							
ESP110SD	7TCA085400R0617	Screw	Earthed	110	133.4	94.3	0.4	10	8MHz
ESP110SD/PT	7TCA085400R0634	Spring							
ESP180SD	7TCA085400R0618	Screw	Earthed	180	188.8	133.5	0.4	10	9.5MHz
ESP180SD/PT	7TCA085400R0635	Spring							
ESPSTN	7TCA085400R0652	Screw	Earthed	-	296	296	0.3	4.8	212MHz
ESPSTN/PT	7TCA085400R0653	Spring							
ESP30SE/4-20	7TCA085400R0648	Screw	Isolated	30	38.2	27	0.075	1	45MHz
ESP30SE/4-20/PT	7TCA085400R0646	Spring							
ESP06SE	7TCA085400R0619	Screw	Isolated	6	7.9	5.6	1.25	1	30MHz
ESP06SE/PT	7TCA085400R0636	Spring							
ESP15SE	7TCA085400R0620	Screw	Isolated	15	17.9	12.6	1.25	1	30MHz
ESP15SE/PT	7TCA085400R0637	Spring							
ESP30SE	7TCA085400R0621	Screw	Isolated	30	38.2	27	1.25	1	30MHz
ESP30SE/PT	7TCA085400R0638	Spring							
ESP50SE	7TCA085400R0622	Screw	Isolated	50	58	41	1.25	1	30MHz
ESP50SE/PT	7TCA085400R0639	Spring							
ESP110SE	7TCA085400R0623	Screw	Isolated	110	134	95	0.7	3.3	30MHz
ESP110SE/PT	7TCA085400R0640	Spring							
ESP180SE	7TCA085400R0624	Screw	Isolated	180	194	137	0.4	10	30MHz
ESP180SE/PT	7TCA085400R0641	Spring							
ESP5RS485	7TCA085400R0629	Screw	Isolated	15	17.9	12.6	1.25	1	45MHz
ESP5RS485/PT	7TCA085400R0647	Spring							