

## Surge Protection Devices



QFL-2(13)



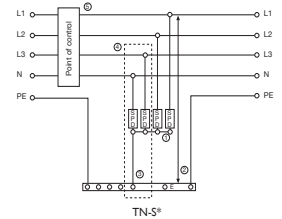
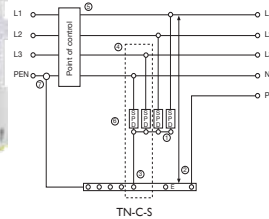
QFL-4(13)



QKL-2(13)D



QKL-4(13)D



### Clip-in Dual Mounted Surge Protection Devices Imax 10 kA (8 / 20 μs) Surge Protection Devices<sup>1</sup>: 275 V Mini Rail (57 mm Escutcheon) - Class II

H2

Product	Description	Width	Std. Pack	Price Ea. excl. VAT	Order No.
QFL-1(13)	1 pole 275 V, with indication	13 mm	12	R 295.00	QFLM0001
QFLN-2(13)	1 pole and neutral 275 V, with indication	26 mm	6	R 559.00	QFLM0002
QFL-3(13)	3 pole 275 V, with indication	39 mm	4	R 838.00	QFLM0003
QFLN-4(13)	3 pole and neutral 275 V, with indication	52 mm	3	R 1 117.00	QFLM0004

### Imax 40 kA (8 / 20 μs) Surge Protection Devices<sup>2</sup>: 275 V Mini Rail (57 mm Escutcheon) - Class II

H2

Product	Description	Width	Std. Pack	Price Ea. excl. VAT	Order No.
QKL-1(13)	1 pole 275 V, with indication	13 mm	12	R 735.00	QKLM0001
QKLN-2(13)	1 pole and neutral 275 V, with indication	26 mm	6	R 1 406.00	QKLM0002
QKL-3(13)	3 pole 275 V, with indication	39 mm	4	R 2 112.00	QKLM0003
QKLN-4(13)	3 pole and neutral 275 V, with indication	52 mm	3	R 2 813.00	QKLM0004

### Imax 10 kA (8 / 20 μs) Surge Protection Devices<sup>1</sup>: 275 V DIN Rail (45 mm Escutcheon) - Class II

H2

Product	Description	Width	Std. Pack	Price Ea. excl. VAT	Order No.
QFL-1(13)D	1 pole 275 V, with indication	13 mm	12	R 295.00	QFLD0001
QFLN-2(13)D	1 pole and neutral 275 V, with indication	26 mm	6	R 559.00	QFLD0002
QFL-3(13)D	3 pole 275 V, with indication	39 mm	4	R 838.00	QFLD0003
QFLN-4(13)D	3 pole and neutral 275 V, with indication	52 mm	3	R 1 117.00	QFLD0004

### Imax 40 kA (8 / 20 μs) Surge Protection Devices<sup>2</sup>: 275 V DIN Rail (45 mm Escutcheon) - Class II

H2

Product	Description	Width	Std. Pack	Price Ea. excl. VAT	Order No.
QKL-1(13)D	1 pole 275 V, with indication	13 mm	12	R 735.00	QKLD0001
QKLN-2(13)D	1 pole and neutral 275 V, with indication	26 mm	6	R 1 406.00	QKLD0002
QKL-3(13)D	3 pole 275 V, with indication	39 mm	4	R 2 112.00	QKLD0003
QKLN-4(13)D	3 pole and neutral 275 V, with indication	52 mm	3	R 2 813.00	QKLD0004

### Imax 10 kA (8 / 20 μs) Surge Protection Devices<sup>1</sup>: 130 V Dual Mounted - Class II

H2

Product	Description	Width	Std. Pack	Price Ea. excl. VAT	Order No.
QFL-1(13)	1 pole 130 V, 5 kA with indication mini rail (57 escutcheon)	13 mm	12	R 295.00	QFLM1001
QFL-1(13)D	1 pole 130 V, 5 kA with indication DIN rail (45 escutcheon)	13 mm	12	R 307.00	QFLD1001

Notes:

1. Required to be backed up by a QA MCB

2. Required to be backed up by a QF MCB

**Class II SPDs are only to be used where items are not subjected to direct lightning strikes and the voltage / current surges are attenuated (reduced in magnitude)**

Product Type	QFL	QKL
Maximum Continuous Operating Voltage ( $U_c$ )	275 Vac (RMS)	275 Vac (RMS)
Voltage Protection level (Peak) ( $U_p$ )	1.5 kV	1.5 kV
Nominal Discharge Current ( $I_{n1}$ ) ( $I_n$ )	5 kA (8/20 μs)	20 kA (8/20 μs)
Maximum Discharge Current ( $I_{max}$ )	10 kA (8/20 μs)	40 kA (8/20 μs)
Short Circuit Withstand*	2.5 kA (50 Hz)	5 kA (50 Hz)
Lightning Protection Zone	OB to 1 or 1 to 2	OB to 1 or 1 to 2
SPD Class	Class II	Class II

Certification: SANS 61643-1 Class II