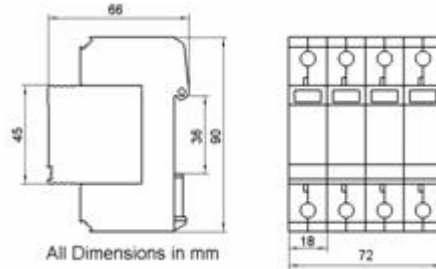
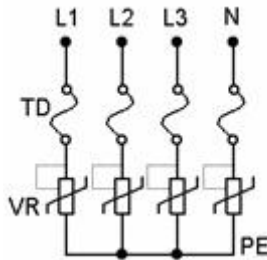


## Three Phase SPDs HIT-DT40 Series SPECIFICATION

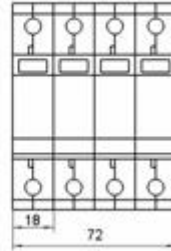
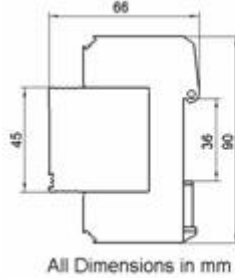
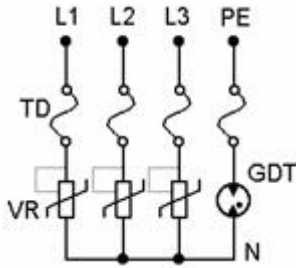
### 1. DT40/xxx – 4V Series



### Technical Data

Type	HIT- DT40/xxx-4V-S										
	75	150	175	275	300	320	385	440	550	600	
In accordance with	IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2										
Category IEC/VDE	II / C										
Max. continuous operating voltage (AC/DC)	75/100	150/200	175/225	275/300	300/385	320/420	385/505	440/585	550/745	600/800	
Nominal discharge current(8/20) In	L - N	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
	N-PE	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
Max. discharge current(8/20) I <sub>max</sub>	L - N	40KA									
	N - PE	40KA									
Voltage protection level	@ In	0.5KV	0.8KV	0.8KV	1.4KV	1.5KV	1.6KV	1.8KV	2.2KV	2.8KV	3.0KV
	@ 3KA	0.3KV	0.5KV	0.6KV	1.0KV	1.0KV	1.1KV	1.3KV	1.5KV	2.0KV	2.0KV
Response time	L - N	≤25 ns									
	N - PE	≤25 ns									
Follow current	L - N	No									
	N - PE	No									
Residual current at U <sub>c</sub>	L - N	≤500 μ A									
	N - PE	≤500 μ A									
Backup fuse(only required if not already provided in mains)	125A gL/gG										
Operating temperature range	- 40° C ... + 80° C										
Cross-section of connection wire	Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	4 modules, DIN 43880										
Thermal disconnect	Internal green – normal red - failure										
Remote alarm contact	Optional										

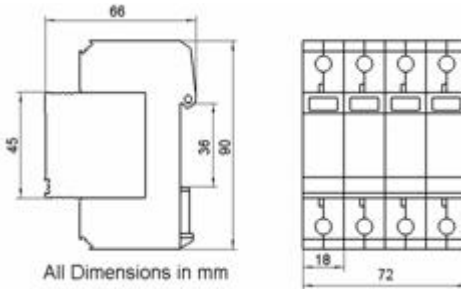
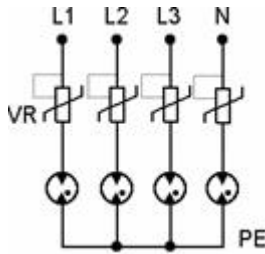
**2. DT40 / xxx – (3V + T) Series**



**Technical Data**

Type		HIT- DT40/xxx-(3V+T)									
		75	150	175	275	300	320	385	440	550	600
In accordance with		IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2									
Category IEC/VDE		II / C									
Max. continuous operating voltage	L – N (AC/DC)	75/100	150/200	175/225	275/300	300/385	320/420	385/505	440/585	550/745	600/800
	N – PE Uc	65	150	150	255	255	255	255	350	440	440
Nominal discharge current(8/20) In	L – N	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
	N-PE	40KA	40KA	40KA	40KA	40KA	40KA	40KA	40KA	40KA	40KA
Max. discharge current(8/20) I <sub>max</sub>	L - N	40KA									
	N - PE	60KA									
Voltage protection level at In	L – N (In)	0.5KV	0.8KV	0.8KV	1.4KV	1.5KV	1.6KV	1.8KV	2.2KV	2.8KV	3.0KV
	L – N (3KA)	0.3KV	0.5KV	0.6KV	1.0KV	1.0KV	1.1KV	1.3KV	1.5KV	2.0KV	2.0KV
	N-PE(1.2/50)	0.5KV	0.8KV	0.8KV	1.0KV	1.0KV	1.0KV	1.0KV	1.2KV	1.6KV	1.6KV
Response time	L - N	≤25 ns									
	N - PE	≤100 ns									
Follow current	L - N	No									
	N - PE	Yes									
Residual current at Uc	L - N	≤500 μ A									
	N - PE	No									
Backup fuse(only required if not already provided in mains)		125A gL/gG									
Operating temperature range		- 40° C ... + 80° C									
Cross-section of connection wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>									
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3									
Enclosure material		thermoplastic; extinguishing degree UL94 V-0									
Degree of protection		IP20									
Installation width		4 modules, DIN 43880									
Thermal disconnecter		Internal green – normal red - failure									
Remote alarm contact		Optional									

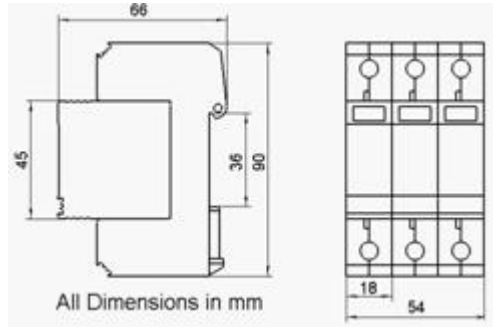
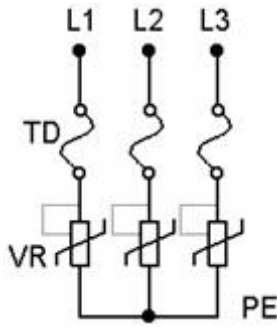
**3. DT40 / xxx – 4VT Series**



**Technical Data**

Type		HIT- DT40 / xxx-4VT									
		75	150	175	275	300	320	385	440	550	600
In accordance with		IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2									
Category IEC/VDE		II / C									
Max. continuous operating voltage (AC/DC)		75/100	150/200	175/225	275/300	300/385	320/420	385/505	440/585	550/745	600/800
Nominal discharge current(8/20) In	L - N	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
	N-PE	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
Max. discharge current(8/20) I <sub>max</sub>	L - N	40KA									
	N - PE	40KA									
Voltage protection level	@ In	0.3KV	0.6KV	0.6KV	1.2KV	1.2KV	1.2KV	1.2KV	1.8KV	2.4KV	2.4KV
	@ 3KA	0.2KV	0.5KV	0.5KV	0.8KV	0.8KV	0.8KV	0.8KV	1.2KV	1.6KV	1.6KV
Response time	L - N	≤ 100 ns									
	N - PE	≤ 100 ns									
Follow current	L - N	No									
	N - PE	No									
Residual current at U <sub>c</sub>	L - N	No									
	N - PE	No									
Backup fuse(only required if not already provided in mains)		125A gL/gG									
Operating temperature range		- 40° C ... + 80° C									
Cross-section of connection wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>									
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3									
Enclosure material		thermoplastic; extinguishing degree UL94 V-0									
Degree of protection		IP20									
Installation width		4 modules, DIN 43880									
Thermal disconnect		Internal green – normal red - failure									
Remote alarm contact		Optional									

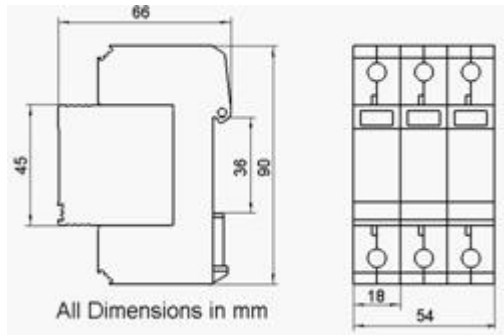
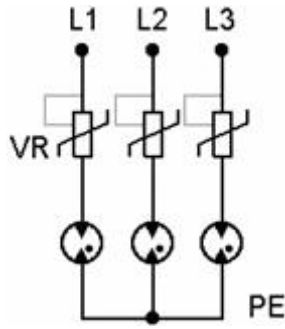
**4. DT40 / xxx – 3V Series**



**Technical Data**

Type		HIT- DT40/xxx-3V									
		75	150	175	275	300	320	385	440	550	600
In accordance with		IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2									
Category IEC/VDE		II / C									
Max. continuous operating voltage (AC/DC)		75/100	150/200	175/225	275/300	300/385	320/420	385/505	440/585	550/745	600/800
Nominal discharge current(8/20) In ( L-PE)		20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA
Max. discharge current(8/20) I <sub>max</sub>		40KA									
Voltage protection level	@ In	0.5KV	0.8KV	0.8KV	1.4KV	1.5KV	1.6KV	1.8KV	2.2KV	2.8KV	3.0KV
	@ 3KA	0.3KV	0.5KV	0.6KV	1.0KV	1.0KV	1.1KV	1.3KV	1.5KV	2.0KV	2.0KV
Response time		≤25 ns									
Follow current		No									
Residual current at U <sub>c</sub>		≤500 μ A									
Backup fuse(only required if not already provided in mains)		125A gL/gG									
Operating temperature range		- 40° C ... + 80° C									
Cross-section of connection wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>									
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3									
Enclosure material		thermoplastic; extinguishing degree UL94 V-0									
Degree of protection		IP20									
Installation width		3 modules, DIN 43880									
Thermal disconnector		Internal green – normal red - failure									
Remote alarm contact		Optional									

**5. DT40 / xxx – 3VT Series**



**Technical Data**

Type	HIT- DT40/xxx-3VT-S										
	75	150	175	275	300	320	385	440	550	600	
In accordance with	IEC61643-1:2001; EN61643-1 2002; UL1449 ed.2										
Category IEC/VDE	II / C										
Max. continuous operating voltage (AC/DC)	75/100	150/200	175/225	275/300	300/385	320/420	385/505	440/585	550/745	600/800	
Nominal discharge current(8/20) In ( L-PE)	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	20KA	
Max. discharge current(8/20) I <sub>max</sub>	40KA										
Voltage protection level	@ In	0.3KV	0.6KV	0.6KV	1.2KV	1.2KV	1.2KV	1.2KV	1.8KV	2.4KV	2.4KV
	@ 3KA	0.2KV	0.5KV	0.5KV	0.8KV	0.8KV	0.8KV	0.8KV	1.2KV	1.6KV	1.6KV
Response time	≤ 100 ns										
Follow current	No										
Residual current at U <sub>c</sub>	No										
Backup fuse(only required if not already provided in mains)	125A gL/gG										
Operating temperature range	- 40° C ... + 80° C										
Cross-section of connection wire	Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>										
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3										
Enclosure material	thermoplastic; extinguishing degree UL94 V-0										
Degree of protection	IP20										
Installation width	3 modules, DIN 43880										
Thermal disconnector	Internal green – normal red - failure										
Remote alarm contact	Optional										